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NEWS 12	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
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NEWS 19	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS 20	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS 21	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS 22	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
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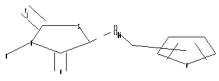
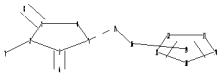




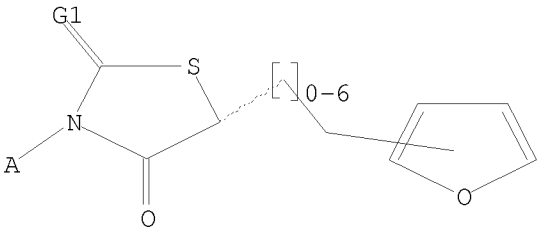
chain nodes :
6 7 8
ring nodes :
1 2 3 4 5 10 11 12 13 14
ring/chain nodes :
15 16
chain bonds :
1-6 2-7 3-8 5-15 15-16
ring bonds :
1-2 1-5 2-3 3-4 4-5 10-11 10-14 11-12 12-13 13-14
exact/norm bonds :
1-2 1-5 1-6 2-3 2-7 3-4 3-8 4-5 5-15
exact bonds :
10-11 10-14 11-12 12-13 13-14 15-16
isolated ring systems :
containing 10 :

G1:C,O,S,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:CLASS 16:CLASS 19:CLASS

L1 STRUCTURE UPLOADED

=> D
L1 HAS NO ANSWERS
L1 STR



G1 C,O,S,N

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 1384 TO ITERATE

100.0% PROCESSED 1384 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 25449 TO 29911
PROJECTED ANSWERS: 6912 TO 9328

L2 50 SEA SSS SAM L1

=> D SCAN

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=> S L1 FULL
FULL SEARCH INITIATED 08:19:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    27013 TO ITERATE

100.0% PROCESSED    27013 ITERATIONS                          7216 ANSWERS
SEARCH TIME: 00.00.01

L3          7216 SEA SSS FUL L1
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=> FIL CAPLUS
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               186.84     187.06

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FILE LAST UPDATED: 4 Mar 2009  (20090304/ED)

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=> S L3
L4          192 L3

=> D IBIB ABS HITSTR 180-192
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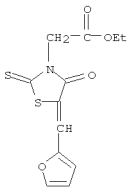
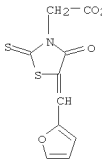
L4 ANSWER 180 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1960:44604 CAPLUS
DOCUMENT NUMBER: 54:44604
ORIGINAL REFERENCE NO.: 54:8791f-h
TITLE: Synthesis of thiazolidone derivatives of biological interest. XI. Rhodanine-3-acetic acid and its derivatives
AUTHOR(S): Turkevich, N. M.; Ganitkevich, M. I.
CORPORATE SOURCE: Med. Inst., Lvov
SOURCE: Zhurnal Obshchei Khimii (1959), 29, 1699-702
CODEN: ZOKHA4; ISSN: 0044-460X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. C.A. 54, 498e. Refluxing rhodanine-3-acetic acid with equimolar amts.
of appropriate aldehyde in the presence of NaOAc in AcOH 2 hrs. gave the following derivs.: 5-cinnamylidene, 82%, m. 229-31°; 5-(p-anisylidene), 81%, m. 241°; 5-furfurylidene, 88%, m. 207-9°. These treated with dry NH3 in Me2CO solution gave: NH4 rhodanine-3-acetate, 97%, decomposed 191-2°; 5-benzylidene derivative, 85%, decomposed 236-7°; 5-(m-nitrobenzylidene) derivative, 91%, decomposed
234-5°; 5-cinnamylidene derivative, 76%, decomposed 193-4°; 5-(p-anisylidene) derivative, 70%, decomposed 242-3°; 5-furfurylidene derivative, 85%, decomposed 203-5°. Spectra of the products were shown.
IT 99988-75-7 112715-36-3
(Derived from data in the 6th Collective Formula Index (1957-1961))
RN 99988-75-7 CAPLUS
CN 3-Thiazolidineacetic acid, 5-(2-furanylmethylene)-4-oxo-2-thioxo-, ethyl ester (CA INDEX NAME)



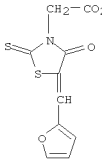
RN 112715-36-3 CAPLUS
CN 3-Thiazolidineacetic acid, 5-(2-furanylmethylene)-4-oxo-2-thioxo-, ammonium salt (1:1) (CA INDEX NAME)

L4 ANSWER 180 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



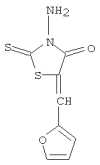
● NH_3

IT 99073-34-4, 3-Thiazolidineacetic acid, 5-furfurylidene-4-oxo-2-thioxo-
(and derivs.)
RN 99073-34-4 CAPLUS
CN 3-Thiazolidineacetic acid, 5-(2-furanylmethylene)-4-oxo-2-thioxo- (CA INDEX NAME)

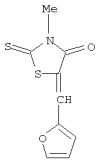


L4 ANSWER 181 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1960:16928 CAPLUS
DOCUMENT NUMBER: 54:16928
ORIGINAL REFERENCE NO.: 54:3383f-i,3384a-b
TITLE: Aminorhodanine derivatives. Syntheses and tuberculostatic action
AUTHOR(S): Lapiere, C.
SOURCE: Journal de Pharmacie de Belgique (1959), 14, 126-40
CODEN: JPBEAJ; ISSN: 0047-2166
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. C.A. 51, 1940e. Condensation of 3-amino-rhodanine (I) with aldehydes (a) in AcOH or (b) in EtOH replaces 2H's on the NNH2 in position 3 with R while by (c) the Girard method (10 mmol. I dissolved in 20 ml. hot EtOH then 1 ml. NH3, 0.65 g. NH4Cl in min. H2O, then 10 millimol. aldehyde added rapidly with agitation)the 2H's on CH2 in position 5 are replaced by
R' [the 3-substituent in I, method, % yield, m.p., appearance, and (solvent) given]: N-(benzylidene), a, 95, 134-5°, yellow-brown (EtOH), b, 89, 135-6°, yellow needles (Me2CO-EtOH); 5-(benzylidene), c, 78, 195-6°, silky orange needles (CH2Cl2-EtOH); N-(2-hydroxybenzylidene), a, 87, 178-80°, yellow (AcOH), b, 97, 178-80°, yellow with greenish reflection (Me2COEtOH); 5-(2-hydroxybenzylidene), c, 67, 214°, orange-red (CH2Cl2-EtOH), blood-red tautomer in alkaline solution;
N-(3-methoxy-4-hydroxybenzylidene), a, 83, 186-90°, bright yellow (AcOH), b, 89, 187-90°, yellow (EtOH); 5-(3-methoxy-4-hydroxybenzylidene), c, 90, 201-2°, orange-red (EtOH), deep red tautomer in alkaline solution; 5, N-bis(p-dimethylaminobenzylidene), a, 95, 270° (decomposition), brick-red; N-(p-dimethylaminobenzylidene), b, 93, 155-6°, golden yellow (EtOH); 5-(p-dimethylaminobenzylidene), c, 72, 220-3°, vermillion red (pentanol); N-(α-furylidene), a, 66, 128.5-32°, brown (EtOH), b, 79, 138-9°, yellow (EtOH); 5-(α-furylidene), 66, 186.5-7.5°, orange-yellow (CH2Cl2-EtOH); N-(α-pyridylidene), a, 63, 222.5-23°, lemon yellow (pentanol), b, 97, 225-6° (decomposition), bright yellow (pentanol); N-(γ-pyridylidene), b, 88, brownish yellow (EtOH), browns at 178°, m. 192° (decomposition), placed in bath at 192° m. 196° (decomposition); 5-(γ-pyridylidene), c, 38, 199.7° (decomposition), brown-red needles (pentanol); N-(β-pyridylidene), b, 80, 190-1.5°, yellow (EtOH); 5-(β-pyridylidene), c, 46, 191.5-92°, brownish orange needles (pentanol); N-(α-thenylidene), b, 83, 92-3°, sulfur yellow (EtOH); 5-(α-thenylidene), c, 70, 222-2.5°, orange platelets (EtOH). In vitro tests show 9 of the compds. are tuberculostatic, the 2 most active with low toxicity are N-(o-hydroxybenzylidene)aminorhodanine and 5-(4-hydroxy-3-methoxybenzylidene)aminorhodanine.
IT 98436-86-3P, Rhodanine, 3-amino-5-furfurylidene-
RL: PREP (Preparation)
(preparation of)
RN 98436-86-3 CAPLUS
CN 4-Thiazolidinone, 3-amino-5-(2-furanylmethylene)-2-thioxo- (CA INDEX NAME)

L4 ANSWER 181 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

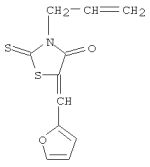


L4 ANSWER 182 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1960:2179 CAPLUS
DOCUMENT NUMBER: 54:2179
ORIGINAL REFERENCE NO.: 54:498e-g
TITLE: Synthesis of thiazolidone derivatives of biological interest. X. Synthesis and properties of 3-methylrhodanine and its derivatives
AUTHOR(S): Ganitkevich, M. I.; Turkevich, N. M.
CORPORATE SOURCE: Med. Inst., Lvov
SOURCE: Zhurnal Obshchei Khimii (1959), 29, 515-18
CODEN: ZOKHA4; ISSN: 0044-460X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
OTHER SOURCE(S): CASREACT 54:2179
AB cf. C.A. 52, 9082c; 53, 1311h. Heating 0.02 mole MeNCS and 0.02 mole mixed Na and K salts of NCSCH2CO2H in 15 ml. AcOH with 1 g. Pb(OAc)2 15-60
min. on a steam bath (vigorous reaction with evolution of CO2 from decomposition of HCNO) gave after dilution with H2O 41% 3-methylrhodanine (I), m.
75-6°. If the reaction mixture includes 0.02 mole of an aldehyde, the reaction yields directly the ylidene derivs. of I (% yield, substituent, and m.p. given): 64, 5-salicylidene, 134-5°; 45, 5-furfurylidene, 138-9°; and 38, 5-(o-carboxybenzylidene), 227-8°. The absorption spectra of the products are shown. The arylidene derivs. show a characteristic maximum at 365-404 mμ, with a displacement of the long wavelength edge by some 90-145 mμ toward the longer wavelengths.
IT 29095-35-0P, Rhodanine, 5-furfurylidene-3-methyl-
RL: PREP (Preparation)
(preparation of)
RN 29095-35-0 CAPLUS
CN 4-Thiazolidinone, 5-(2-furanylmethylene)-3-methyl-2-thioxo- (CA INDEX NAME)



L4 ANSWER 183 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1958:50558 CAPLUS
DOCUMENT NUMBER: 52:50558
ORIGINAL REFERENCE NO.: 52:9082c-f
TITLE: Synthesis of derivatives of thiazolidone having biological interest. VII. Synthesis of N-substituted derivatives of rhodanine starting with rhodanoacetates
AUTHOR(S): Zubenko, V. G.; Turkevich, N. M.
CORPORATE SOURCE: Med. Inst., Lvov
SOURCE: Zhurnal Obshchei Khimii (1957), 27, 3275-8
CODEN: ZOKHA4; ISSN: 0044-460X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. C.A. 52, 8122i. Heating 20 millimoles MeO2CCH2SCN and 20 millimoles PhNCS in 10 ml. AcOH with 0.5 g. Pb(OAc)2 until CO2 evolution ceased at 100° gave after dilution with H2O 90.6% N-phenylrhodanine, m. 192-3°. Similarly was prepared 86.7% N-allylrhodanine, m. 42°. Refluxing MeO2CCH2SCN, the desired RNCS, and R'CHO in AcOH with a catalytic amount of Pb(OAc)2 as above gave the following products: 75.7% N-phenyl-5-benzylidenerhodanine, m. 187-9°; 80.6% N-phenyl-5-(o-hydroxybenzylidene)rhodanine, m. 179-80°; 87.6% N-phenyl-5-(m-nitrobenzylidene)rhodanine, m. 243.5°; 95% N-phenyl-5-(p-nitrobenzylidene)rhodanine, m. 263-4°; 63.8% N-phenyl-5-(p-acetamidobenzylidene)rhodanine, m. above 284°; 74.8% N-phenyl-5-cinnamylidenerhodanine, m. 222°; 100% N-phenyl-5-(1-naphthylidene)rhodanine, m. 145-7°; 78.4% N-phenyl-5-furfurylidenerhodanine, m. 183°; 85.7% N-allyl-5-benzylidenerhodanine, m. 143-4°; 81.2% N-allyl-5-(o-hydroxybenzylidene)rhodanine, m. 179-80°; 73.5% N-allyl-5-(m-nitrobenzylidene)rhodanine, m. 148°; 64.9% N-allyl-5-cinnamylidenerhodanine, m. 176-8°; 87% N-allyl-5-(1-naphthylidene)rhodanine, m. 111-3°; 92.3% N-allyl-5-(2-hydroxy-1-naphthylidene)rhodanine, m. 111-3°; 92.3% N-allyl-5-(2-hydroxy-1-naphthylidene)rhodanine, m. 195-6°; and 69.7% N-allyl-5-furfurylidenerhodanine, m. 101-2°.
IT 99972-49-3P, Rhodanine, 3-allyl-5-furfurylidene-
RL: PREP (Preparation)
(preparation of)
RN 99972-49-3 CAPLUS
CN 4-Thiazolidinone, 5-(2-furanylmethylene)-3-(2-propen-1-yl)-2-thioxo- (CA INDEX NAME)

L4 ANSWER 183 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

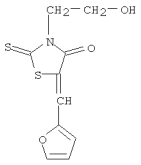


L4 ANSWER 184 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1958:49390 CAPLUS
DOCUMENT NUMBER: 52:49390
ORIGINAL REFERENCE NO.: 52:8810d-h
TITLE: Light-sensitive rhodanine esters of maleic anhydride copolymers
INVENTOR(S): Sagura, John J.; Unruh, Cornelius C.
PATENT ASSIGNEE(S): Eastman Kodak Co.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2824087		19580218	US 1956-604342	19560816

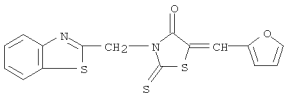
AB Hydroxyalkyl derivs. of rhodanine compds. react with maleic anhydride copolymers to give light-sensitive resins. Thus, 140 g. ethanolamine in 250 cc. EtOH was added slowly to 60 cc. CS2 in 200 cc. Et2O kept cold for 2-3 hrs., and let stand overnight. The lower dark-green layer was cooled over ice and 88 g. Na chloroacetate in 150 cc. water was stirred in. After 30 min., the solution was added to 400 cc. boiling 6N HCl. On cooling, a yellow oil separated The aqueous layer was washed with CHCl3 and the extract combined with the oil. After drying with anhydrous Na2SO4 and evaporation, 103 g. of a heavy amber oil, 3-(2-hydroxyethyl)rhodanine (I) was obtained. By replacing ethanolamine with equivalent weight of propanolamine or butanolamine, 3-(3-hydroxypropyl)-and 3-(4-hydroxybutyl)rhodanine, resp., were obtained. Equimol. amts. of I and various aromatic and heterocyclic aldehydes were refluxed for 0.5-5 hr. with piperidine or Et3N as catalyst to give 3-(2-hydroxyethyl)-5-(4-dimethylaminobenzylidene)rhodanine, red-violet, m. 125°, 3-(2-hydroxyethyl)-5-(4-methoxybenzylidene)rhodanine, yellow, m. 162-3°; 3-(2-hydroxyethyl)-5-(benzylidene)rhodanine, yellow, m. 129-30°; 3-(2-hydroxyethyl)-5-(piperonylidene)rhodanine, orange, m. 162-3°; 3-(2-hydroxyethyl)-5-(4-nitrobenzylidene) rhodanine, yellow, m. 204-5°; 3-(2-hydroxyethyl)-5-(4-acetamidobenzylidene)rhodanine, yellow, m. 239-40°; 3-(2-hydroxyethyl)-5-(4-hydroxy-3-methoxybenzylidene)rhodanine, yellow, m. 224-5°; 3-(2-hydroxyethyl)-5-furfurylidenerhodanine, yellow, m. 158-9°; 3-(2-hydroxyethyl)-5-(2-methoxybenzylidene)rhodanine, yellow, m. 145-6°; and 3-(2-hydroxyethyl)-5-(2-pyridylidene)rhodanine, yellow, m. 177-8°. These compds. were condensed with 1:1 styrene-maleic anhydride copolymers by heating in pyridine solution for 2.5-5 hrs. to give light-sensitive resins useful for lithographic plates.
IT 99185-08-7, Rhodanine, 5-furfurylidene-3-(2-hydroxyethyl)-
(reaction with maleic anhydride copolymers, and light-sensitive resins therefrom)
RN 99185-08-7 CAPLUS
CN 4-Thiazolidinone, 5-(2-furanylmethylene)-3-(2-hydroxyethyl)-2-thioxo- (CA INDEX NAME)

L4 ANSWER 184 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



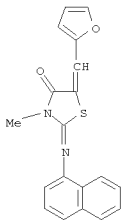
L4 ANSWER 185 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1958:35201 CAPLUS
DOCUMENT NUMBER: 52:35201
ORIGINAL REFERENCE NO.: 52:6323f-i,6324a-b
TITLE: Synthesis of thiazole derivatives. XII. Benzothiazolylrhodanines
AUTHOR(S): Zubarovskii, V. M.; Verbovskaya, T. M.
SOURCE: Zhurnal Obshchei Khimii (1957), 27, 2177-83
CODEN: ZOKHA4; ISSN: 0044-460X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. C.A. 50, 14713d. To 67.8 g. SC(SCH2CO2H)2 (I) in 1.2 l. H2O was added at 100° 15.9 g. Na2CO3 in 300 ml. H2O followed over 3 hrs. by 16.4 g. 2-methyl-6-aminobenzothiazole in 200 ml. 1:1 EtOH; after 12-15 hrs. at room temperature the precipitate was separated, washed with 15% Na2CO3 and H2O, dissolved in CHCl3, filtered, and the concentrated filtrate extracted with hot EtOH, yielding a residue of 50-60.7% N-(2-methyl-6-benzothiazolyl)rhodanine, m. 202° (EtOH). To 12.3 g. 2-methyl-6-aminobenzothiazole in 36 ml. EtOH was added 1.5 g. NaOH in 36 ml. H2O and 2.85 g. CS2 and after 10 min. on a steam bath 2.85 g. CS2, the mixture heated 15 min. longer, treated with 30 ml. 40% NaHSO3 over 0.5 hr., and cooled, yielding 96% sym-(2-methyl-6-benzothiazolyl)thiourea, m. 180°. I and 2-methyl-5-aminobenzothiazole similarly gave 62.9% N-(2-methyl-5-benzothiazolyl)rhodanine, m. 236°, while 2-aminomethylbenzothiazole gave N-(2-benzothiazolylmethyl)rhodanine, m. 122°. Equimolar amts. of the above rhodanines with appropriate aldehydes refluxed 0.5 hr. in dry pyridine gave the following products: 3-(2-methyl-6-benzothiazolyl)-5-benzylidenerhodanine, m. 218°; 3-(2-methyl-6-benzothiazolyl)-5-furfurylidenerhodanine, m. 255°; 3-(2-methyl-6-benzothiazolyl)-5-thenylidenerhodanine, m. 259°; 3-(2-methyl-5-benzothiazolyl)-5-benzylidenerhodanine, m. 219°; 3-(2-methyl-5-benzothiazolyl)-5-furfurylidenerhodanine, m. 262°; 3-(2-methyl-5-benzothiazolyl)-5-thenylidenerhodanine, m. 236°; 3-(2-benzothiazolylmethyl)-5-benzylidenerhodanine, m. 219°; 3-(2-benzothiazolylmethyl)-5-furfurylidenerhodanine, m. 229°; 3-(2-benzothiazolylmethyl)-5-thenylidenerhodanine, m. 252°. One mole 2-(β-acetanilidovinyl)benzothiazole ethiodide (or its MeO derivative) and 1.5 moles benzthiazolylrhodanine in 4 parts dry pyridine gave after refluxing 2-3 hrs. a precipitate of 85-98% appropriate merocyanine. Thus were obtained: 3-(2-methyl-6-benzothiazolyl)-5-(3-ethylbenzothiazolinylidene-2-ethylidene)rhodanine, red-violet, m. 295°, λ 528 μ; 3-(2-methyl-6-benzothiazolyl)-5-(3-ethyl-5-methoxybenzothiazolinylidene-2-ethylidene)rhodanine, red-violet, m. 263°, λ 535 mμ; 3-(2-methyl-5-benzothiazolyl)-5-(3-ethylbenzothiazolinylidene-2-ethylidene)rhodanine, red, m. 283°, λ 535 mμ; 3-(2-benzothiazolylmethyl)-5-(3-ethylbenzothiazolinylidine-2-ethylidene)rhodanine, red-violet, m. 266°, λ 528 mμ; 3-(2-benzothiazolylmethyl)-5-(3-ethyl-5-

L4 ANSWER 185 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
methoxybenzothiazolinylidene-2-ethylidene)rhodanine, red-brown, m. 297°, λ 535 mμ.
IT 101278-76-6P, Rhodanine, 3-(2-benzothiazolylmethyl)-5-furfurylidene-
RL: PREP (Preparation)
(preparation of)
RN 101278-76-6 CAPLUS
CN 4-Thiazolidinone, 3-(2-benzothiazolylmethyl)-5-(2-furanylmethylene)-2-thioxo- (CA INDEX NAME)



L4 ANSWER 186 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1956:12278 CAPLUS
DOCUMENT NUMBER: 50:12278
ORIGINAL REFERENCE NO.: 50:2547d-g
TITLE: Thiazolidinones. I. 2-(1-Naphthylimino)-4-thiazolidinone and its condensation products
AUTHOR(S): Das, Bhaskar; Rout, M. V.
CORPORATE SOURCE: Ravenshaw Coll., Cuttack
SOURCE: Journal of Scientific & Industrial Research (1955), 14B, 16-18
CODEN: JSIRAC; ISSN: 0022-4456
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB 2-(1-Naphthylimino)-4-thiazolidinone (I), m. 184°, prepared by treating 1-C10H7NH2.HCl with NH4SCN, and refluxing the mixture with ClCH2CO2H and anhydrous NaOAc, was condensed with aldehydes and nitroso compds. to give derivs. of therapeutic value and which might also be used as analytical reagents. The condensation of I with aldehydes was carried out in glacial AcOH in the presence of anhydrous NaOAc and also in alc. (95%) KOH. The nitroso derivs. were prepared in Ac2O. The following are the compds. condensed with I (carbonyl compound and m.p. of 5-arylidene compound given), BzH, 184°; m-O2NC6H4CHO, 196°; o-O2NC6H4CHO, 164°; p-O2NC6H4CHO, 195°; p-Me2NC6H4CHO, 180° (decomposition); p-HOC6H4CHO, 120°; PhCH: CHCHO, 160°; p-MeOC6H4CHO, 206°; o-HOC6H4CHO, 155° (decomposition); vanillin, 205°; furfuraldehyde, 210° (decomposition); isatin, 215°; Bz2, -; Michler's ketone, 110° (decomposition); alizarin, 80°; anthraquinone, 135°; benzoquinone, -; 1,2-ONC10H6OH, 190°; and p-ONC6H4NMe2, 180°. The following 3-methyl-5-arylidene-2-(1-naphthylimino)-4-thiazolidinones were prepared by treatment of the 5-arylidene-I with alc. KOH, followed by MeI (aldehyde and m.p. of product given): BzH, 90°; o-O2NC6H4CHO, 125°; m-O2NC6H4CHO, 160°; p-O2NC6H4CHO; 190° (decomposition); o-HOC6H4CHO, 300° (decomposition); p-HOC6H4CHO, 180° (decomposition); p-MeOC6H4CHO, 115° (decomposition); PhCH:CHCHO, 175°; p-Me2NC6H4CHO, 175°; vanillin, 125°; and furfuraldehyde, 203° (decomposition). A description of the Ag-complexing ability of some of these compds. is given.
IT 857980-48-4P, 4-Thiazolidinone, 5-furfurylidene-3-methyl-2-(1-naphthylimino)-
RL: PREP (Preparation)
(preparation of)
RN 857980-48-4 CAPLUS
CN 4-Thiazolidinone, 5-(2-furanylmethylene)-3-methyl-2-(1-naphthalenylimino)- (CA INDEX NAME)

L4 ANSWER 186 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L4 ANSWER 187 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN

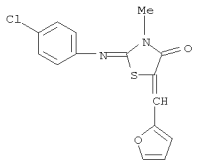
ACCESSION NUMBER: 1956:4692 CAPLUS
DOCUMENT NUMBER: 50:4692
ORIGINAL REFERENCE NO.: 50:965e-h
TITLE: 2-(p-Chlorophenylimino)-4-thiazolidinone and its condensation products
AUTHOR(S): Pujari, H. K.; Rout, M. K.
CORPORATE SOURCE: Ravenshaw Coll., Cuttack
SOURCE: Journal of the Indian Chemical Society (1955), 31, 701-4
CODEN: JICSAH; ISSN: 0019-4522
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

AB Condensation products of aldehydes and nitroso compds. with 2-(p-chlorophenylimino)-4-thiazolidinone (I) were prepared and tested as analytical reagents for metals. I, m. 205°, was prepared by refluxing 6.1 g. p-ClC6H4NHCSNH2 with 4.0 g. ClCH2CO2H and 3 g. anhydrous NaOAc in 25 cc. absolute alc. 3-4 hrs., precipitating the product with H2O, and recrystg. it from alc. Refluxing I with aryl aldehydes, in HOAc, ArCHO, gave the following 5-arylidene derivs. of I (Ar, m.p., and % yield shown): Ph (II), pale yellow, above 260°, 75; p-MeOC6H4 (III), yellow, above 260°, 73; PhCH:CH (IV), yellow, 220°, 69; o-O2NC6H4 (V), reddish brown, above 250°, 80; m-O2NC6H4 (VI), yellow, 251°, 80; p-O2NC6H4 (VII), yellow, 235°, 82; o-HOC6H4 (VIII), orange, above 300°, 75; p-HOC6H4 (IX), yellow, above 250°, 78; 5,2-O2N(HO)C6H3 (X), orange, above 250°, 65; 3,4-MeO(HO)C6H3 (XI), yellow, 210°, 75; 2-furyl (XII), gray, above 260°, 80; p-Me2NC6H4 (XIII), brown, above 260°, 84. In the same way the following 5-arylimino derivs. of I (aryl, m.p., and % yield given) were prepared from the ArNO compds.: 2,1-HOC10H6, brown, m. 162°, 45; p-Me2NC6H4 (XIV), dark gray, 189°, 42. 3-Methyl-(5-arylidene)-2-p-chlorophenylimino-4-thiazolidinones (m.p. given) were prepared by treating the above arylidene compds. with KOH and MeI in alc.: II, gray, 79°; III, yellow, 249°; IV, pale yellow, 90°; V, orange, 215°; VI, dirty yellow, 172°; VII, yellow, 251°; VIII, dirty yellow, 210°; IX, gray, 85°; X, dirty yellow, 212°; XI, dirty yellow, 80°; XII, gray, 174°; XIII, yellow, 120°. The quant. formation of definite metallic derivs. of I, II, and IV with Hg and Ag salts at various pH was also studied.

IT 857963-10-1P, 4-Thiazolidinone, 2-(p-chlorophenylimino)-5-furfurylidene-3-methyl-
RL: PREP (Preparation)
(preparation of)

RN 857963-10-1 CAPLUS
CN 4-Thiazolidinone, 2-[(4-chlorophenyl)imino]-5-(2-furanylmethylene)-3-methyl- (CA INDEX NAME)

L4 ANSWER 187 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L4 ANSWER 188 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1956:1487 CAPLUS
DOCUMENT NUMBER: 50:1487
ORIGINAL REFERENCE NO.: 50:313h-i,314a-d
TITLE: p-Tolylisothiohydantoin and some of its derivatives
AUTHOR(S): Das, K. C.; Rout, M. K.
CORPORATE SOURCE: Ravenshaw Coll., Cuttack
SOURCE: Journal of the Indian Chemical Society (1954), 31, 617-20
CODEN: JICSAH; ISSN: 0019-4522
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

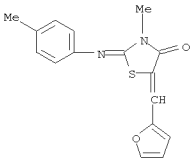
GI For diagram(s), see printed CA Issue.

AB For the later study of the biol. properties of thiohydantoin derivs., p-tolylisothiohydantoin (I) is prepared, condensed with 15 different aldehydes, the resulting arylidene compds. methylated and also reduced. Refluxing 3-4 hrs. 5.5 g. p-MeC6H4NH CSNH2 with 4 g. CH2ClCO2H, 3 g. dry AcONa, and 25 cc. absolute alc. and pouring the mixture into H2O yielded 90% I, m. 191° (from EtOH). A typical condensation, a methylation, and a reduction are described: 3 g. I was refluxed 1.5 hrs. with 1.5 g. RCHO and 30 cc. glacial AcOH and 4 g. dry AcONa, and the mixture poured into H2O to yield p-MeC6H4N:C.S.C(:CHR).CO.NH (II); 1 g. II added to 1 g. KOH in 8 cc. EtOH was treated slowly with 3 g. MeI and heated 3 hrs. on a H2O bath until neutral to litmus, to yield on cooling p-MeC6H4N:C.S.C(:CHR).CO.NMe (III); finally, treating 1 g. II suspended in 8 cc. H2O containing 1.5 cc. dilute NaOH solution at 80° with 12 g. 3% Na amalgam in 4 portions at 30 min. intervals, letting stand 1 hr., heating the mixture 8 hrs. at 80°, diluting and acidifying gave p-MeC6H4N:C.S.CH(CH2R).CONH (IV). R, yield II, m.p. II, m.p. III, m.p. IV are: Ph, 60%, 268°, 156-8°, 119°; p-O2NC6H4, 62%, 316°, above 325°, -; m-O2NC6H4, 70%, 285°, 278°, -; o-O2NC6H4, 50%, 260°, 108°, -; o-HOC6H4, 65%, 253°, 224°, 160° (decomposition); p-HOC6H4, 72%, 298°, 204°, 104°; 2,3-HO(O2N)C6H3, 75%, 267°, 246°, -; 2,5-HO(O2N)C6H3, 80%, 283°, 242°, -; p-MeOC6H4, 55%, 250°, 217°, 186°; 4,3-MeO(O2N)C6H3, 70%, 250°, 200°, -; 4,3-HO(MeO)C6H3, 65%, 220°, 101°, 126°; 5,4,3-Br(HO)(MeO)C6H2, 80%, 216°, 156°, 95°; p-Me2NC6H4, 75%, 294°, 144°, 280°; PhCH:CH, 75%, 222°, 108°, 113°; 2-furyl, 70%, 234°, 192°, -. The structure of I (and therefore of II-IV) is briefly discussed.

IT 857963-65-6P, 4-Thiazolidinone, 5-furfurylidene-3-methyl-2-p-tolylimino-
RL: PREP (Preparation)
(preparation of)

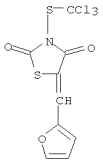
RN 857963-65-6 CAPLUS
CN 4-Thiazolidinone, 5-(2-furanylmethylene)-3-methyl-2-[(4-methylphenyl)imino]- (CA INDEX NAME)

L4 ANSWER 188 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

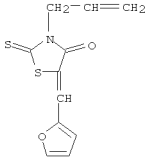


L4 ANSWER 189 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1955:39439 CAPLUS
DOCUMENT NUMBER: 49:39439
ORIGINAL REFERENCE NO.: 49:7556b-g
TITLE: 3-Trichloromethanesulfenyloxazolidine- and thiazolidine-2,4-diones
AUTHOR(S): Croxall, W. J.; Lo, Chien-Pen; Shropshire, Elwood Y.
CORPORATE SOURCE: Rohm & Haas., Philadelphia, PA
SOURCE: Journal of the American Chemical Society (1953), 75, 5419-21
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB The following intermediates were prepared (compound, yield (%), and m.p. given): 5-isobutylidenethiazolidine-2,4-dione, 19, 69-71°; 5-(3,5,5-trimethylhexylidene)thiazolidine-2,4-dione, 16.2, 69-72°; 5-isopropylidenethiazolidine-2,4-dione, 77, 160-2°; 5-sec-butylidenethiazolidine-2,4-dione, 38, 141-5°; 5-cyclohexylidenethiazolidine-2,4-dione, 69, 139-42°. Rhodanine (27 g.), 30 g. ClCH2CO2H, and 100 cc. water refluxed 18 h., and the product filtered yielded 11.5 g. thiazolidine-2,4-dione, m. 121-3°. I and the ketone in the presence of NH4OH yielded 80% 5-isopropylidenerhodanine and 74% 5-sec-butylidenerhodanine, resp. Method A: (Bu glycolate (72 g.), 32 g. urea, 29 g. NaOMe, and 250 cc. absolute EtOH slowly aerated and refluxed 2 h., the EtOH distilled in vacuo, 200 cc. water added and removed in vacuo, the cooled solution of the Na salt of oxazolidine-2,4-dione treated with 100 g. Cl3CSCl in 100 cc. petr. ether, the mixture stirred 3 h. at room temperature, and filtered yielded 53 g. 3-trichloromethanesulfenyloxazolidine-2,4-dione, m. 119-20°. Method B: Cl3CSCl (31.4 g.) in 70 cc. CCl4 added slowly to 100 cc. water containing 24.6 g. 5,5-dimethylthiazolidine-2,4-dione, and 6.8 g. NaOH, the mixture stirred several hrs. at room temperature, the aqueous layer extracted with CCl4, and the combined CCl4 solns. evaporated in vacuo yielded 37 g. 3-trichloromethanesulfenyl-5,5-dimethylthiazolidine-2,4-dione, m. 70-1°. Method C: The K salt of 5-benzylidinethiazolidine-2,4-dione (20 g.), 15.3 g. Cl3CSCl, and 150 cc. CCl4 stirred 3 h. yielded 21 g. 3-trichloromethanesulfenyl-5-benzyl-idenethiazolidine-2,4-dione, m. 173-4°. The following 5,5-disubstituted trichloromethanesulfenyl-2,4-oxazolidinediones were prepared [substituents, method, % yield, m.p. (uncor.) given]: Me, H, A, 70, oil; Me, Me, A, 57.5, 91-3°; Et, Me, A, 55, 86-8°. The following 5,5-disubstituted trichloromethane sulfenyl-2,4-thiazolidinediones were also prepared: H, H, B, 72.5, 117-18°; Me, H, B, 76, oil; Me2CH, H, B, 56, 54-6°; Me3CCH2CHMeCH2, H, B, 42, 52-3.5°; α-furyl, H, B, 62, 149-50°; Ph, H, C, 72, 159-61°; 2-ClC6H4, H, C, 55, 141-3°; 4-ClC6H4, H, B, 41.5, 170-2°; 3-O2NC6H4, H, B, 50, 148-50°; 4-MeOC6H4, H, B, 57, 189-90°; 3,4-(OCH2O)C6H4, H, B, 65, 178-9°; Me, Me, B, 50, 114-15°;

L4 ANSWER 189 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
(CH2)5, B, 67, 169-71°.
IT 857961-59-2P, 2,4-Thiazolidinedione, 5-furfurylidene-3-(trichloromethylthio)-
RL: PREP (Preparation)
(preparation of)
RN 857961-59-2 CAPLUS
CN 2,4-Thiazolidinedione, 5-(2-furanylmethylene)-3-[(trichloromethyl)thio]- (CA INDEX NAME)

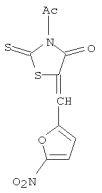


L4 ANSWER 190 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1954:61858 CAPLUS
DOCUMENT NUMBER: 48:61858
ORIGINAL REFERENCE NO.: 48:10975d-g
TITLE: Mildew-preventing activity of rhodanine derivatives
AUTHOR(S): Brown, Frances C.; Bradsher, Charles K.; Bond, Sara M.; Grantham, R. Jack
CORPORATE SOURCE: Duke Univ., Durham, NC
SOURCE: Journal of Industrial and Engineering Chemistry (Washington, D. C.) (1954), 46, 1508-12
CODEN: JIECAD; ISSN: 0095-9014
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. C.A. 47, 9542h, 9543a. The mildew-preventing activity of four 3-substituted, thirty-three 5-substituted, and seven 3,5-disubstituted rhodanine derivs. and of six 5-substituted dioxothiazolidine derivs. was determined by measuring the loss in tensile strength of cotton strips impregnated with 2% solns. when exposed to Chaetomium globosum 2 wk or to soil burial for 2 and 4 wk. The 5-substituted rhodanines were derivs. of heterocyclic aldehydes or ketones, of aliphatic aldehydes, and of aliphatic ketones containing a thiol ether group. The dioxothiazolidine derivs. gave less protection than the rhodanine derivative of the same carbonyl compound, but in general the order of activity within the two series is the same. The most effective compds. were 5-(p-chlorobenzylidene)rhodanine and 5-thenylidenerhodanine, which in 1% concentration on cloth gave 15% or less loss in tensile strength after 4 wk soil burial. New compds. reported were: 3-(p-chlorophenyl)rhodanine (I), m. 128-9°, from ammonium N-(p-chlorophenyl)dithiocarbamate and ClCH2CO2Na with subsequent heating in acid solution; 3-(p-chlorophenyl)-5-furfurylidenerhodanine, m. 222°, from I and furfural in HOAc and anhydrous NaOAc; 3-(p-chlorophenyl)-5-thenylidenerhodanine, m. 252°, from I and 2-thiophenecarboxaldehyde in EtOH with NH4OH and NH4OAc; 5-(p-chlorobenzylidene)-2,4-dioxothiazolidine, m. 230°, from 2,4-dioxothiazolidine (II) and p-chlorobenzaldehyde; and 5-(p-methylcyclohexylidene)-2,4-dioxothiazolidine, m. 130°, from II and p-methylcyclohexanone.
IT 99972-49-3, Rhodanine, 3-allyl-5-furfurylidene-
(in mildew prevention)
RN 99972-49-3 CAPLUS
CN 4-Thiazolidinone, 5-(2-furanylmethylene)-3-(2-propen-1-yl)-2-thioxo- (CA INDEX NAME)



L4 ANSWER 190 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

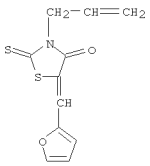
L4 ANSWER 191 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L4 ANSWER 191 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1954:18301 CAPLUS
DOCUMENT NUMBER: 48:18301
ORIGINAL REFERENCE NO.: 48:3343h-i,3344a-c
TITLE: Derivatives of furan. XII. Condensations of furanaldehydes with compounds containing an active methylenic group
AUTHOR(S): Sanchez, A. Gomez; Fernandez-Bolanos, J.
CORPORATE SOURCE: Univ. Seville
SOURCE: Anales de la Real Sociedad Espanola de Fisica y Quimica, Serie B: Quimica (1953), 49B, 51-6
CODEN: ARSQAL; ISSN: 0034-088X
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. C.A. 47, 2163g. 5-Methyl-4-(ethoxycarbonyl)-2-furaldehyde and 5-nitro-2-furaldehyde are condensed with aceturic acid, hippuric acid, 2,4-thiazolidinedione, rhodanine, and acetyl- and benzoylthiohydantoin to obtain intermediates in the synthesis of furylpyruvic, furyl(hydroxyimino)propionic acid, etc., as follows: 4-(ethoxycarbonyl)-5-methyl-2-furaldehyde, yellow liquid crystallizing when chilled, m. 56-7°; 5-nitro-2-furaldehyde, m. 35°, b4 108-12°, b10 129°; 3-(2-furylacetamido)acrylic acid, needles, m. 186-8°, soluble in alc. and warm C6H6 and dioxane, also in cold dilute alkali, and repptd. unaltered on acidification; 2-methyl-4-[4-(ethoxycarbonyl)-5-methylfurfurylidene]-2-oxazolin-5-one, m. 105-10°, which on attempted recrystn. from dioxane, C6H6, and PhMe, hydrolyzed to 3-[4-(ethoxycarbonyl)-2-furyl]-2-acetamidoacrylic acid, needles, m. 197-9° (Et ester, needles, m. 140-1°; 2-methyl-4-(5-nitrofurfurylidene)-2-oxazolin-5-one, crystals, m. 141-2°; 2-Ph analog, yellow needles, m. 178°, slightly soluble in alc. and C6H6; 5-[4-(ethoxycarbonyl)-5-methylfurfurylidene]-2,4-thiazolidinedione, pale yellow needles, m. 207°; 5-(5-nitrofurfurylidene)-2,4-thiazolidinedione, yellow needles, m. 225-6°, insol. in water, alc., and C6H6, soluble in warm AcOH and dioxane; 5-[5-methyl-4-(ethoxycarbonyl)furfurylidene]rhodanine, yellow crystals, m. 241-2°; acetyl-5-(5-nitrofurfurylidene)rhodanine, orange needles, m. 194-5°, insol. in alc. and C6H6. 1-acetyl-5-(5-nitrofurfurylidene)hydantoin, yellowish crystals, m. 168-72°. 5-[4-(ethoxycarbonyl)-5-methylfurfurylidene)thiohydantoin, yellow crystals, m. 256-8°.
IT 860506-21-4P, Rhodanine, 3-acetyl-5-(5-nitrofurfurylidene)-
RL: PREP (Preparation)
(preparation of)
RN 860506-21-4 CAPLUS
CN 4-Thiazolidinone, 3-acetyl-5-[(5-nitro-2-furanyl)methylene]-2-thioxo- (CA
INDEX NAME)

L4 ANSWER 192 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1952:26630 CAPLUS
DOCUMENT NUMBER: 46:26630
ORIGINAL REFERENCE NO.: 46:4530g-i,4531a-b
TITLE: Rhodanine derivatives
AUTHOR(S): Brown, Frances C.; Bradsher, Charles K.; Bond, Sara M.; Potter, Marny
CORPORATE SOURCE: Duke Univ., Durham, NC
SOURCE: Journal of the American Chemical Society (1951), 73, 2357-9
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
OTHER SOURCE(S): CASREACT 46:26630
GI For diagram(s), see printed CA Issue.
AB cf. C.A. 44, 4464i. The following rhodanine (I), RN.C (:S).S.C(:R').C(:O) derivs., prepared by the condensation of I or 3-substituted I with an aldehyde or ketone in the presence of EtOH-NH4OH with NH4Cl catalyst are described [R, R', m.p. (°C.), and yield(%) given]: H, o-methylbenzylidene, 196°, 59; H, m-methylbenzylidene, 182-5°, 29; H, p-methylbenzylidene, 219-20°, 42; H, o-fluorobenzylidene, 201-3°, 71; H, m-fluorobenzylidene, 201°, 59; H, p-fluorobenzylidene, 226-7°, 75; H, 2,4-dichlorobenzylidene, 231.5-2.5°, 47; H, 3,4-dichlorobenzylidene, 231-2°, 87; H, 2-hydroxy-5-chlorobenzylidene, 222-3° (decomposition), 36; H, 2-hydroxy-3-methoxybenzylidene, 239-40°, 67; H, 4-hydroxy-3-ethoxybenzylidene, 216°, 91; H, 3,4-diethoxybenzylidene, 196°, 55; H, 3-(2-furyl)allylidene, 251° (decomposition), 82; H, 2-ethyl-3-propylallylidene, 109.5-10.5°, 76; H, α-amylcinnamylidene, 145-8°, 62; H, o-nitrocinnamylidene, 250°, 48; H, 2-ethylbutylidene, 104-6°, 55; H, 2-ethylhexylidene, 66-8°, 69; H, citrylidene, 146-7°, 17; H, decylidene, 76-6.5°, 32; Me, m-methylbenzylidene, 164-7°, 93; Me, p-methylbenzylidene, 169.5-70°, 62; Me, p-isopropylbenzylidene, 137-8°, 58; Me, p-chlorobenzylidene, 198-200°, 58; Me, 2-thenylidene, 170-70.5°, 81; Me, cyclopentylidene, 108-8.5°, 45; Me, cyclohexylidene, 111-12°, 48; Me, 4-methylcyclohexylidene, 106°, 97; allyl, p-methylbenzylidene, 125-6°, 48; allyl, p-isopropylbenzylidene, 48-9°, 43; allyl, p-chlorobenzylidene, 137-8°, 76; allyl, 2-thenylidene, 148-9°, 86; allyl, 2-furfurylidene, 102.5-3.5°, 59; allyl, cyclohexylidene, 63-4°, 66; allyl, 4-methylcyclohexylidene, 49-51°, 73; Ph, 2-thenylidene, 198-200°, 67; Ph, cyclohexylidene, 127-8°, 36; Ph, 4-methylcyclohexylidene, 119°, 51; Ph, propylidene, 104-4.5°, 55; Ph, isopropylidene, 136-7°, 56; Ph, 1-methylhexylidene, 99°, 58. Also prepared were 5-(5-nitrofurfurylidene)rhodanine, m. 201-1.5° (21% from 0.1 mol I, 0.1 mol. 2-nitro-5-furfural diacetate, 15.2 mL. concentrated H2SO4, and 82.5 mL. H2O 1 h. at 100°), and 5-(5-chlorofurfurylidene)rhodanine, m. 220° (decomposition) (50% from I and the aldehyde in NaOAc-HOAc).
IT 99972-49-3P, Rhodanine, 3-allyl-5-furfurylidene-
RL: PREP (Preparation)
(preparation of)
RN 99972-49-3 CAPLUS
CN 4-Thiazolidinone, 5-(2-furanylmethylene)-3-(2-propen-1-yl)-2-thioxo- (CA

L4 ANSWER 192 OF 192 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
INDEX NAME)



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FULL ESTIMATED COST                                      80.82     267.88

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                     -10.66     -10.66

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STRUCTURE FILE UPDATES:    3 MAR 2009  HIGHEST RN 1115115-78-0
DICTIONARY FILE UPDATES:   3 MAR 2009  HIGHEST RN 1115115-78-0

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

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predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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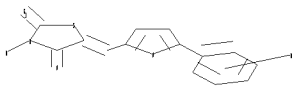

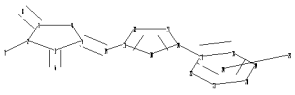

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ring nodes :
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ring/chain nodes :
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chain bonds :
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ring bonds :
1-2 1-5 2-3 3-4 4-5 10-11 10-14 11-12 12-13 13-14 17-18 17-22 18-19
19-20 20-21 21-22
exact/norm bonds :
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exact bonds :
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normalized bonds :
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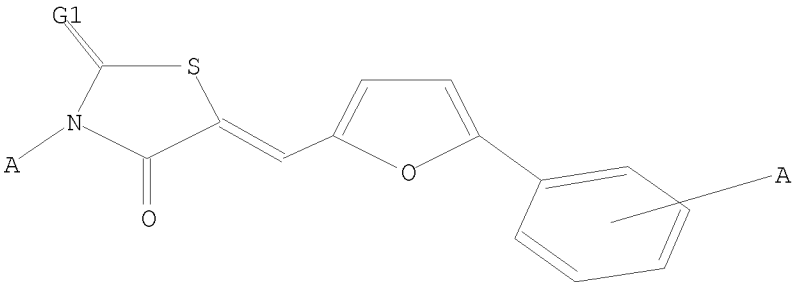
isolated ring systems :
containing 10 :

G1:C,O,S,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:CLASS 17:CLASS 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:CLASS 24:Atom

L5 STRUCTURE UPLOADED

=> D
L5 HAS NO ANSWERS
L5 STR



G1 C,O,S,N

Structure attributes must be viewed using STN Express query preparation.

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100.0% PROCESSED 4354 ITERATIONS 4152 ANSWERS
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FULL ESTIMATED COST 44.48 312.36

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE ENTRY TOTAL SESSION
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FILE COVERS 1907 - 5 Mar 2009 VOL 150 ISS 10
FILE LAST UPDATED: 4 Mar 2009 (20090304/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> S L6
L7          76 L6

=> D IBIB ABS HITSTR 70-76
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L7 ANSWER 70 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2000:384190 CAPLUS
DOCUMENT NUMBER: 133:30722
TITLE: Preparation of arylmethylene and heterocyclylmethylene thiazolidinediones and analogs as tumor necrosis factor inhibitors
INVENTOR(S): Wang, Jing; Ramnarayan, Kalyanaraman; Rideout, Darryl; Mong, Seymour; Zhu, Hengyi; Niemeyer, Christina; Brady, Thomas P.
PATENT ASSIGNEE(S): Structural Bioinformatics Inc., USA
SOURCE: PCT Int. Appl., 127 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000032598	A1	20000608	WO 1999-US28856	19991206
W: AU, CA, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
PRIORITY APPLN. INFO.:			US 1998-206108 A	19981204
			US 1999-316415 A	19990521

OTHER SOURCE(S): MARPAT 133:30722
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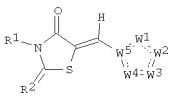

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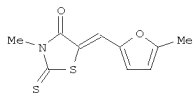
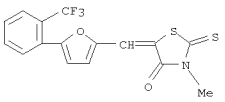


II

AB The title compds. (I) [wherein W1-W5 together = aliphatic, heterocyclic, or heteroarom. ring; R1 = H or (un)substituted heterocyclic, (hetero)aromatic, or (cyclo)alkyl; R2 = O or S] and analogs were prepared by condensing aldehydes with thiazolidinediones. For example, 5-methylfuran-2-carboxaldehyde was coupled with 2-thioxo-3-methylthiazolidin-4-one to yield (E)-II (56%). I are TNF receptor antagonists that act as specific inhibitors of TNF-dependent NF-κB activation signaled by certain members of the TNF receptor superfamily for the prophylaxis and treatment of inflammatory diseases (no data).
IT 247067-90-9 292076-05-2 299904-95-3
306732-62-7 313663-20-6 313663-45-5
324070-85-1 324564-45-6 330985-73-4
331736-73-3 333393-14-9 909790-92-7
1100593-97-2 1100593-99-4 1100594-09-9
1100594-11-3 1100594-15-7 1100594-17-9
1100594-20-4 1100594-21-5 1100594-22-6
RL: PRPH (Prophetic)
(Preparation of arylmethylene and heterocyclylmethylene thiazolidinediones and analogs as tumor necrosis factor inhibitors)

RN 247067-90-9 CAPLUS
CN 4-Thiazolidinone, 3-methyl-2-thioxo-5-[[5-[2-(trifluoromethyl)phenyl]-2-furanyl]methylene]- (CA INDEX NAME)



RN 292076-05-2 CAPLUS
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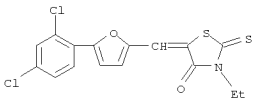
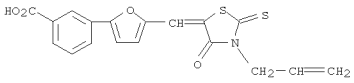
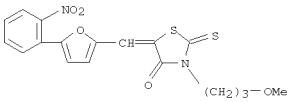


RN 299904-95-3 CAPLUS
CN Benzoic acid, 3-[5-[[4-oxo-3-(2-propen-1-yl)-2-thioxo-5-thiazolidinylidene]methyl]-2-furanyl]- (CA INDEX NAME)



L7 ANSWER 70 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

RN 306732-62-7 CAPLUS
CN 4-Thiazolidinone, 3-(3-methoxypropyl)-5-[[5-(2-nitrophenyl)-2-furanyl]methylene]-2-thioxo- (CA INDEX NAME)



RN 313663-20-6 CAPLUS
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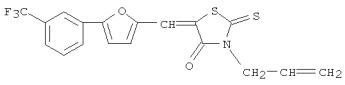

RN 313663-45-5 CAPLUS
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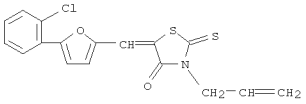
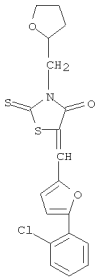


RN 324070-85-1 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(2-chlorophenyl)-2-furanyl]methylene]-3-[(tetrahydro-2-furanyl)methyl]-2-thioxo- (CA INDEX NAME)

L7 ANSWER 70 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 324564-45-6 CAPLUS
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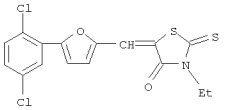

RN 330985-73-4 CAPLUS
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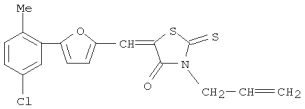
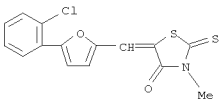
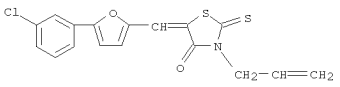


RN 331736-73-3 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(2-chlorophenyl)-2-furanyl]methylene]-3-methyl-2-thioxo- (CA INDEX NAME)

L7 ANSWER 70 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

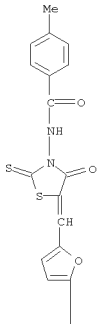


RN 333393-14-9 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(3-chlorophenyl)-2-furanyl]methylene]-3-(2-propen-1-yl)-2-thioxo- (CA INDEX NAME)



RN 909790-92-7 CAPLUS
CN Benzamide, 4-methyl-N-[4-oxo-5-[[5-[4-(phenylmethoxy)phenyl]-2-furanyl]methylene]-2-thioxo-3-thiazolidinyl]- (CA INDEX NAME)

PAGE 1-A



L7 ANSWER 70 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

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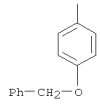

RN 1100593-99-4 CAPLUS
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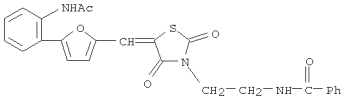
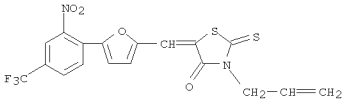
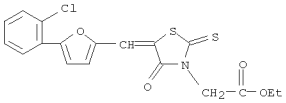


RN 1100594-09-9 CAPLUS
CN 4-Thiazolidinone, 5-[[5-[2-nitro-4-(trifluoromethyl)phenyl]-2-furanyl]methylene]-3-(2-propen-1-yl)-2-thioxo- (CA INDEX NAME)



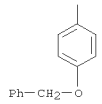
RN 1100594-11-3 CAPLUS
CN 3-Thiazolidineacetic acid, 5-[[5-(2-chlorophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo-, ethyl ester (CA INDEX NAME)



RN 1100594-15-7 CAPLUS
CN Acetamide, N-[5-[[5-(2-nitrophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo-3-thiazolidinyl]- (CA INDEX NAME)

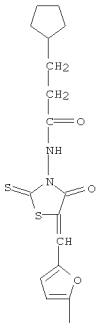
L7 ANSWER 70 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

PAGE 2-A



RN 1100593-97-2 CAPLUS
CN Cyclopentanepropanamide, N-[4-oxo-5-[[5-[4-(phenylmethoxy)phenyl]-2-furanyl]methylene]-2-thioxo-3-thiazolidinyl]- (CA INDEX NAME)

PAGE 1-A



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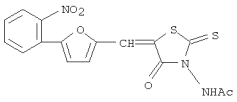
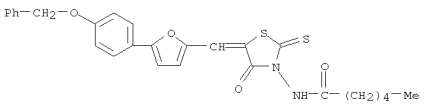
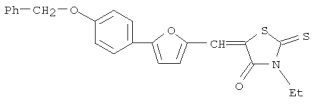


RN 1100594-17-9 CAPLUS
CN Hexanamide, N-[4-oxo-5-[[5-[4-(phenylmethoxy)phenyl]-2-furanyl]methylene]-2-thioxo-3-thiazolidinyl]- (CA INDEX NAME)



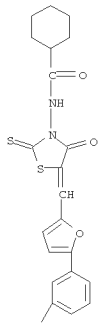
RN 1100594-20-4 CAPLUS
CN 4-Thiazolidinone, 3-ethyl-5-[[5-[4-(phenylmethoxy)phenyl]-2-furanyl]methylene]-2-thioxo- (CA INDEX NAME)



RN 1100594-21-5 CAPLUS
CN Cyclohexanecarboxamide, N-[5-[[5-(3-nitrophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo-3-thiazolidinyl]- (CA INDEX NAME)

L7 ANSWER 70 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

PAGE 1-A

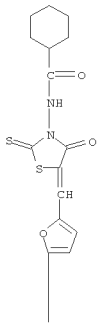


PAGE 2-A

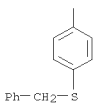
RN 1100594-22-6 CAPLUS
CN Cyclohexanecarboxamide, N-[4-oxo-5-[[5-[4-[(phenylmethyl)thio]phenyl]-2-furanyl]methylene]-2-thioxo-3-thiazolidinyl]- (CA INDEX NAME)

L7 ANSWER 70 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

PAGE 1-A



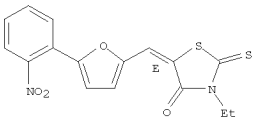
PAGE 2-A



IT 273730-94-2P 273730-96-4P 273730-98-6P
273730-99-7P 273731-04-7P 273731-07-0P
273731-25-2P 273731-29-6P 273731-33-2P
273731-35-4P 273731-44-5P 273731-47-8P
273731-52-5P 273731-53-6P 273731-60-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of arylmethylene and heterocyclylmethylene thiazolidinedione
TNF receptor antagonists by condensing aldehydes with thiazolidinediones)
RN 273730-94-2 CAPLUS

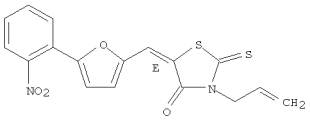
L7 ANSWER 70 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
CN 4-Thiazolidinone, 3-ethyl-5-[[5-(2-nitrophenyl)-2-furanyl]methylene]-2-thioxo-, (5E)- (CA INDEX NAME)

Double bond geometry as shown.



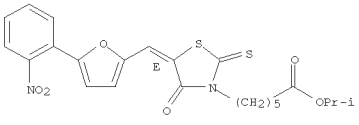
RN 273730-96-4 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(2-nitrophenyl)-2-furanyl]methylene]-3-(2-propen-1-yl)-2-thioxo-, (5E)- (CA INDEX NAME)

Double bond geometry as shown.



RN 273730-98-6 CAPLUS
CN 3-Thiazolidinehexanoic acid, 5-[[5-(2-nitrophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo-, 1-methylethyl ester, (5E)- (CA INDEX NAME)

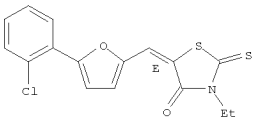
Double bond geometry as shown.



RN 273730-99-7 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(2-chlorophenyl)-2-furanyl]methylene]-3-ethyl-2-thioxo-, (5E)- (CA INDEX NAME)

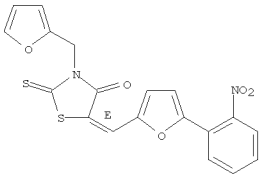
Double bond geometry as shown.

L7 ANSWER 70 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



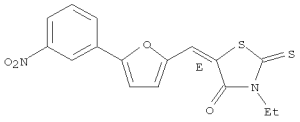
RN 273731-04-7 CAPLUS
CN 4-Thiazolidinone, 3-(2-furanylmethyl)-5-[[5-(2-nitrophenyl)-2-furanyl]methylene]-2-thioxo-, (5E)- (CA INDEX NAME)

Double bond geometry as shown.



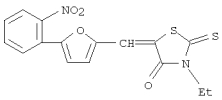
RN 273731-07-0 CAPLUS
CN 4-Thiazolidinone, 3-ethyl-5-[[5-(3-nitrophenyl)-2-furanyl]methylene]-2-thioxo-, (5E)- (CA INDEX NAME)

Double bond geometry as shown.

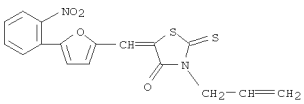


RN 273731-25-2 CAPLUS
CN 4-Thiazolidinone, 3-ethyl-5-[[5-(2-nitrophenyl)-2-furanyl]methylene]-2-thioxo- (CA INDEX NAME)

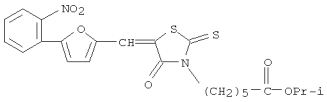
L7 ANSWER 70 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



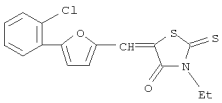
RN 273731-29-6 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(2-nitrophenyl)-2-furanyl]methylene]-3-(2-propen-1-yl)-2-thioxo- (CA INDEX NAME)



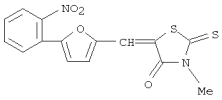
RN 273731-33-2 CAPLUS
CN 3-Thiazolidinehexanoic acid, 5-[[5-(2-nitrophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo-, 1-methylethyl ester (CA INDEX NAME)



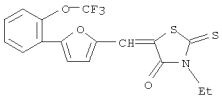
RN 273731-35-4 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(2-chlorophenyl)-2-furanyl]methylene]-3-ethyl-2-thioxo- (CA INDEX NAME)



L7 ANSWER 70 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

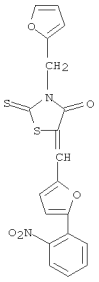


RN 273731-60-5 CAPLUS
CN 4-Thiazolidinone, 3-ethyl-2-thioxo-5-[[5-[2-(trifluoromethoxy)phenyl]-2-furanyl]methylene]- (CA INDEX NAME)

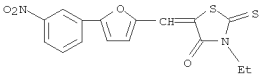


REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

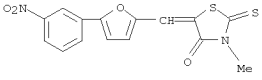
L7 ANSWER 70 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
RN 273731-44-5 CAPLUS
CN 4-Thiazolidinone, 3-(2-furanylmethyl)-5-[[5-(2-nitrophenyl)-2-furanyl]methylene]-2-thioxo- (CA INDEX NAME)



RN 273731-47-8 CAPLUS
CN 4-Thiazolidinone, 3-ethyl-5-[[5-(3-nitrophenyl)-2-furanyl]methylene]-2-thioxo- (CA INDEX NAME)



RN 273731-52-5 CAPLUS
CN 4-Thiazolidinone, 3-methyl-5-[[5-(3-nitrophenyl)-2-furanyl]methylene]-2-thioxo- (CA INDEX NAME)



RN 273731-53-6 CAPLUS
CN 4-Thiazolidinone, 3-methyl-5-[[5-(2-nitrophenyl)-2-furanyl]methylene]-2-thioxo- (CA INDEX NAME)

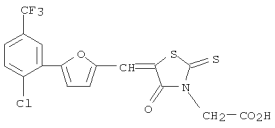
L7 ANSWER 71 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2000:144739 CAPLUS
DOCUMENT NUMBER: 132:189652
TITLE: Rhodanine derivatives, preparation thereof, compositions, and methods for treating or preventing Flaviviridae family viral infections and associated diseases
INVENTOR(S): Bailey, Thomas R.; Young, Dorothy C.
PATENT ASSIGNEE(S): Viropharma Incorporated, USA
SOURCE: PCT Int. Appl., 91 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000010573	A1	20000302	WO 1999-US18785	19990819
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2341970	A1	20000302	CA 1999-2341970	19990819
AU 9955702	A	20000314	AU 1999-55702	19990819
AU 743411	B2	20020124		
BR 9913157	A	20010515	BR 1999-13157	19990819
EP 1128832	A1	20010905	EP 1999-942288	19990819
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002523371	T	20020730	JP 2000-565894	19990819
US 20020052396	A1	20020502	US 2001-976949	20011012
US 20030195213	A1	20031016	US 2003-366796	20030214
US 20040198741	A1	20041007	US 2004-829864	20040422

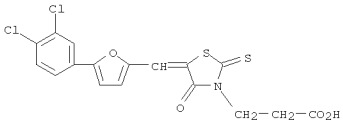
PRIORITY APPLN. INFO.:
US 1998-97476P P 19980821
US 1998-113212P P 19981222
US 1999-119328P P 19990209
US 1999-135585P P 19990524
US 1999-135586P P 19990524
WO 1999-US18785 W 19990819
US 2001-763261 A1 20010423
US 2003-366796 B1 20030214

OTHER SOURCE(S): MARPAT 132:189652
AB Compds., compns. and methods are provided for the treatment and prophylaxis of infections and associated diseases caused by viruses of the Flaviviridae family by administering certain rhodanine derivs., and

L7 ANSWER 71 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
analogs thereof, tri- and tetracyclic rhodanine alkanoic acids and rhodanine benzoic acids being particularly effective.
IT 259811-62-6P 259812-53-8P 259812-54-9P
259812-56-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(rhodanine derivs., preparation, compns., and methods for treating or preventing Flaviviridae family viral infections and associated diseases)
RN 259811-62-6 CAPLUS
CN 3-Thiazolidineacetic acid, 5-[[5-[2-chloro-5-(trifluoromethyl)phenyl]-2-furanyl]methylene]-4-oxo-2-thioxo- (CA INDEX NAME)

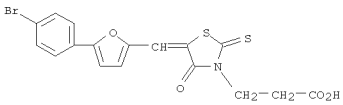


RN 259812-53-8 CAPLUS
CN 3-Thiazolidinepropanoic acid, 5-[[5-(3,4-dichlorophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo- (CA INDEX NAME)

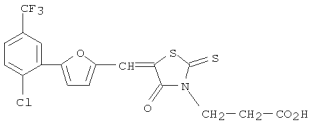


RN 259812-54-9 CAPLUS
CN 3-Thiazolidinehexanoic acid, 5-[[5-(3,4-dichlorophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo- (CA INDEX NAME)

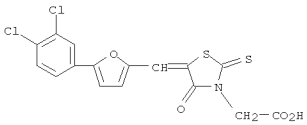
L7 ANSWER 71 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
RN 216774-28-6 CAPLUS
CN 3-Thiazolidinepropanoic acid, 5-[[5-(4-bromophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo- (CA INDEX NAME)



RN 259811-52-4 CAPLUS
CN 3-Thiazolidinepropanoic acid, 5-[[5-[2-chloro-5-(trifluoromethyl)phenyl]-2-furanyl]methylene]-4-oxo-2-thioxo- (CA INDEX NAME)

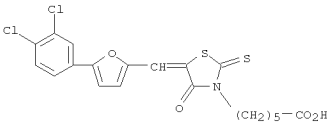


RN 259811-61-5 CAPLUS
CN 3-Thiazolidineacetic acid, 5-[[5-(3,4-dichlorophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo- (CA INDEX NAME)

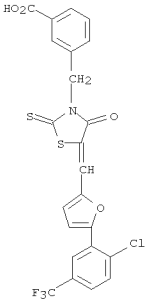


RN 259811-63-7 CAPLUS
CN 3-Thiazolidineacetic acid, 4-oxo-2-thioxo-5-[[5-[3-(trifluoromethyl)phenyl]-2-furanyl]methylene]- (CA INDEX NAME)

L7 ANSWER 71 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

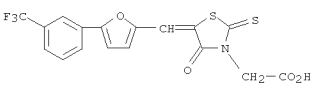


RN 259812-56-1 CAPLUS
CN Benzoic acid, 3-[[5-[[5-[2-chloro-5-(trifluoromethyl)phenyl]-2-furanyl]methylene]-4-oxo-2-thioxo-3-thiazolidinyl]methyl]- (CA INDEX NAME)

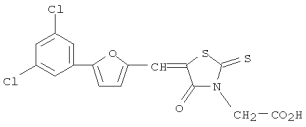


IT 216774-28-6 259811-52-4 259811-61-5
259811-63-7 259811-64-8 259811-65-9
259811-67-1 259811-69-3 259811-72-8
259811-74-0 259811-75-1 259811-83-1
259811-86-4 259812-16-3
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(rhodanine derivs., preparation, compns., and methods for treating or preventing Flaviviridae family viral infections and associated diseases)

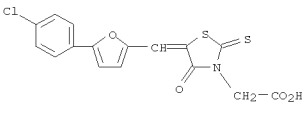
L7 ANSWER 71 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



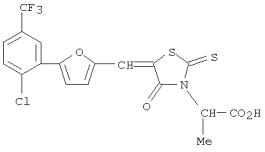
RN 259811-64-8 CAPLUS
CN 3-Thiazolidineacetic acid, 5-[[5-(3,5-dichlorophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo- (CA INDEX NAME)



RN 259811-65-9 CAPLUS
CN 3-Thiazolidineacetic acid, 5-[[5-(4-chlorophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo- (CA INDEX NAME)

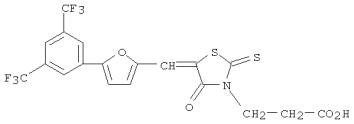


RN 259811-67-1 CAPLUS
CN 3-Thiazolidineacetic acid, 5-[[5-[2-chloro-5-(trifluoromethyl)phenyl]-2-furanyl]methylene]-α-methyl-4-oxo-2-thioxo- (CA INDEX NAME)



RN 259811-69-3 CAPLUS

L7 ANSWER 71 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
CN 3-Thiazolidinepropanoic acid, 5-[[5-[3,5-bis(trifluoromethyl)phenyl]-2-furanyl]methylene]-4-oxo-2-thioxo- (CA INDEX NAME)



RN 259811-72-8 CAPLUS
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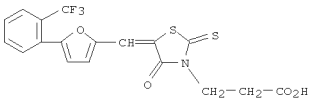
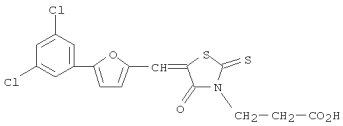
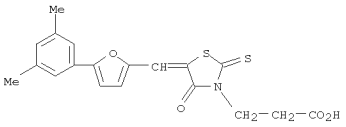


RN 259811-74-0 CAPLUS
CN 3-Thiazolidinepropanoic acid, 5-[[5-(3,5-dichlorophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo- (CA INDEX NAME)

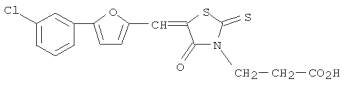


RN 259811-75-1 CAPLUS
CN 3-Thiazolidinepropanoic acid, 5-[[5-(3,5-dimethylphenyl)-2-furanyl]methylene]-4-oxo-2-thioxo- (CA INDEX NAME)

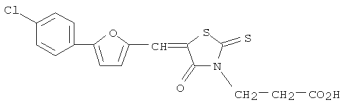
L7 ANSWER 71 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 259811-83-1 CAPLUS
CN 3-Thiazolidinepropanoic acid, 5-[[5-(3-chlorophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo- (CA INDEX NAME)



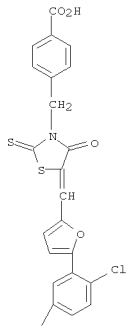
RN 259811-86-4 CAPLUS
CN 3-Thiazolidinepropanoic acid, 5-[[5-(4-chlorophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo- (CA INDEX NAME)



RN 259812-16-3 CAPLUS
CN Benzoic acid, 4-[[5-[[5-[2-chloro-5-(trifluoromethyl)phenyl]-2-furanyl]methylene]-4-oxo-2-thioxo-3-thiazolidinyl]methyl]- (CA INDEX NAME)

L7 ANSWER 71 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

PAGE 1-A



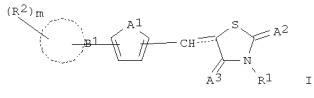
PAGE 2-A

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 72 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1999:699110 CAPLUS
DOCUMENT NUMBER: 131:299442
TITLE: Preparation of thiazolidines as sialyl Lewis X synthesis inhibitors
INVENTOR(S): Kobayashi, Kaoru; Nishiyama, Toshihiko; Nakaide, Shinji
PATENT ASSIGNEE(S): Ono Pharmaceutical Co., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 38 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11302280	A	19991102	JP 1998-106841	19980417
PRIORITY APPLN. INFO.:			JP 1998-106841	19980417

OTHER SOURCE(S): MARPAT 131:299442
GI



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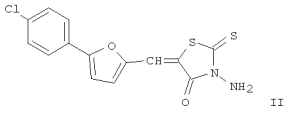
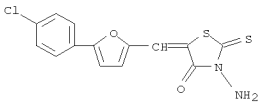


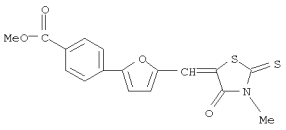
II

AB The title compds. I [A1, A2, A3 = O, S; R1 = alkyl, alkenyl, etc.; R2 = H, alkyl, etc.; m = 1 - 3; ring B1 = heterocyclic ring, etc.; dotted line indicates single or double bond] are prepared In an in vitro test using HL-60 cells, the title compound II at 3 μM gave 100% inhibition of sialyl Lewis X synthesis. Formulations containing I are given.
IT 247067-83-0P 247067-84-1P 247067-85-2P
247067-86-3P 247067-87-4P 247067-88-5P
247067-90-9P 247067-91-0P 247067-92-1P
247067-93-2P 247067-94-3P 247067-95-4P
247067-98-7P 247068-00-4P 247068-04-8P
247068-06-0P 247068-07-1P 247068-09-3P
247068-10-6P 247068-12-8P 247068-13-9P
247068-18-4P 247068-20-8P 247068-21-9P
247068-22-0P

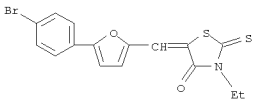
L7 ANSWER 72 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of thiazolidines as sialyl Lewis X synthesis inhibitors)
RN 247067-83-0 CAPLUS
CN 4-Thiazolidinone, 3-amino-5-[[5-(4-chlorophenyl)-2-furanyl]methylene]-2-thioxo- (CA INDEX NAME)



RN 247067-84-1 CAPLUS
CN Benzoic acid, 4-[5-[(3-methyl-4-oxo-2-thioxo-5-thiazolidinylidene)methyl]-2-furanyl]-, methyl ester (CA INDEX NAME)

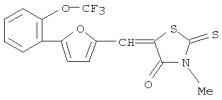


RN 247067-85-2 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(4-bromophenyl)-2-furanyl]methylene]-3-ethyl-2-thioxo- (CA INDEX NAME)

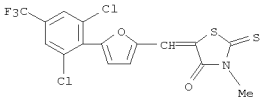


RN 247067-86-3 CAPLUS
CN 4-Thiazolidinone, 3-ethyl-5-[[5-(4-nitrophenyl)-2-furanyl]methylene]-2-thioxo- (CA INDEX NAME)

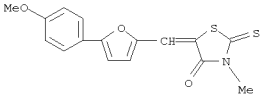
L7 ANSWER 72 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



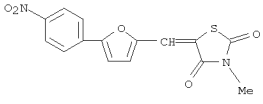
RN 247067-92-1 CAPLUS
CN 4-Thiazolidinone, 5-[[5-[2,6-dichloro-4-(trifluoromethyl)phenyl]-2-furanyl]methylene]-3-methyl-2-thioxo- (CA INDEX NAME)



RN 247067-93-2 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(4-methoxyphenyl)-2-furanyl]methylene]-3-methyl-2-thioxo- (CA INDEX NAME)

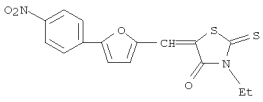


RN 247067-94-3 CAPLUS
CN 2,4-Thiazolidinedione, 3-methyl-5-[[5-(4-nitrophenyl)-2-furanyl]methylene]- (CA INDEX NAME)

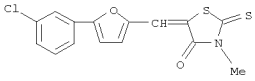


RN 247067-95-4 CAPLUS
CN 4-Thiazolidinone, 5-[[5-[3,5-bis(trifluoromethyl)phenyl]-2-furanyl]methylene]-3-methyl-2-thioxo- (CA INDEX NAME)

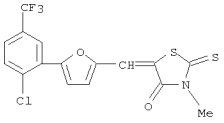
L7 ANSWER 72 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



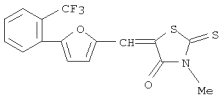
RN 247067-87-4 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(3-chlorophenyl)-2-furanyl]methylene]-3-methyl-2-thioxo- (CA INDEX NAME)



RN 247067-88-5 CAPLUS
CN 4-Thiazolidinone, 5-[[5-[2-chloro-5-(trifluoromethyl)phenyl]-2-furanyl]methylene]-3-methyl-2-thioxo- (CA INDEX NAME)

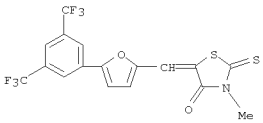


RN 247067-90-9 CAPLUS
CN 4-Thiazolidinone, 3-methyl-2-thioxo-5-[[5-[2-(trifluoromethyl)phenyl]-2-furanyl]methylene]- (CA INDEX NAME)

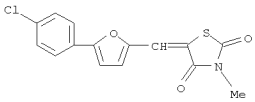


RN 247067-91-0 CAPLUS
CN 4-Thiazolidinone, 3-methyl-2-thioxo-5-[[5-[2-(trifluoromethoxy)phenyl]-2-furanyl]methylene]- (CA INDEX NAME)

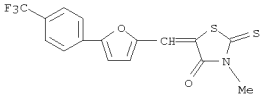
L7 ANSWER 72 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



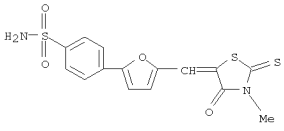
RN 247067-98-7 CAPLUS
CN 2,4-Thiazolidinedione, 5-[[5-(4-chlorophenyl)-2-furanyl]methylene]-3-methyl- (CA INDEX NAME)



RN 247068-00-4 CAPLUS
CN 4-Thiazolidinone, 3-methyl-2-thioxo-5-[[5-[4-(trifluoromethyl)phenyl]-2-furanyl]methylene]- (CA INDEX NAME)

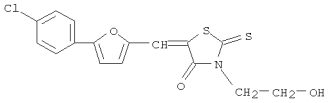


RN 247068-04-8 CAPLUS
CN Benzenesulfonamide, 4-[5-[(3-methyl-4-oxo-2-thioxo-5-thiazolidinylidene)methyl]-2-furanyl]- (CA INDEX NAME)



RN 247068-06-0 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(4-chlorophenyl)-2-furanyl]methylene]-3-(2-

L7 ANSWER 72 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
hydroxyethyl)-2-thioxo- (CA INDEX NAME)



RN 247068-07-1 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(4-chlorophenyl)-2-furanyl]methylene]-3-[2-(4-morpholinyl)ethyl]-2-thioxo- (CA INDEX NAME)

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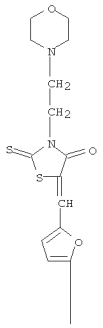
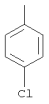


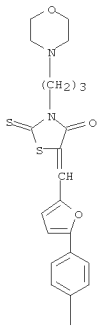
L7 ANSWER 72 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

PAGE 2-A



RN 247068-09-3 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(4-chlorophenyl)-2-furanyl]methylene]-3-[3-(4-morpholinyl)propyl]-2-thioxo- (CA INDEX NAME)

PAGE 1-A



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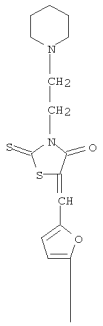
RN 247068-10-6 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(4-chlorophenyl)-2-furanyl]methylene]-3-[2-(1-piperidinyl)ethyl]-2-thioxo- (CA INDEX NAME)

L7 ANSWER 72 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

PAGE 1-A



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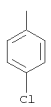
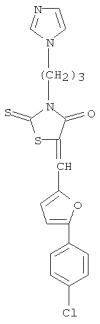
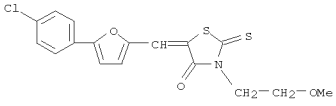


RN 247068-12-8 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(4-chlorophenyl)-2-furanyl]methylene]-3-[3-(1H-imidazol-1-yl)propyl]-2-thioxo- (CA INDEX NAME)

L7 ANSWER 72 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



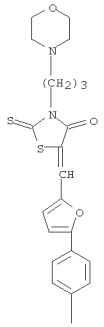
RN 247068-13-9 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(4-chlorophenyl)-2-furanyl]methylene]-3-(2-methoxyethyl)-2-thioxo- (CA INDEX NAME)



RN 247068-18-4 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(4-chlorophenyl)-2-furanyl]methylene]-3-[3-(4-morpholinyl)propyl]-2-thioxo-, hydrochloride (1:1) (CA INDEX NAME)

L7 ANSWER 72 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

PAGE 1-A



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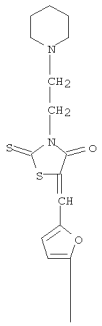
● HCl

RN 247068-20-8 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(4-chlorophenyl)-2-furanyl]methylene]-3-[2-(1-piperidinyl)ethyl]-2-thioxo-, hydrochloride (1:1) (CA INDEX NAME)

L7 ANSWER 72 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

PAGE 1-A



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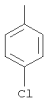
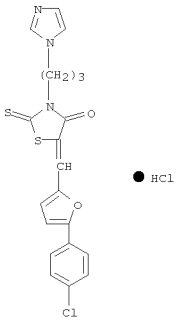


● HCl

RN 247068-21-9 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(4-chlorophenyl)-2-furanyl]methylene]-3-[3-(1H-imidazol-1-yl)propyl]-2-thioxo-, hydrochloride (1:1) (CA INDEX NAME)

L7 ANSWER 72 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



● HCl

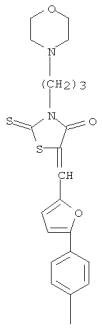
RN 247068-22-0 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(4-chlorophenyl)-2-furanyl]methylene]-3-[3-(4-morpholinyl)propyl]-2-thioxo-, methanesulfonate (1:1) (CA INDEX NAME)

CM 1

CRN 247068-09-3
CMF C21 H21 Cl N2 O3 S2

L7 ANSWER 72 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

PAGE 1-A



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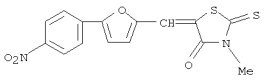
CM 2

CRN 75-75-2
CMF C H4 O3 S

IT 69512-99-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of thiazolidines as sialyl Lewis X synthesis inhibitors)
RN 69512-99-8 CAPLUS
CN 4-Thiazolidinone, 3-methyl-5-[[5-(4-nitrophenyl)-2-furanyl]methylene]-2-thioxo- (CA INDEX NAME)

L7 ANSWER 72 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN

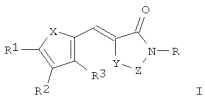
ACCESSION NUMBER: 1998:799977 CAPLUS
DOCUMENT NUMBER: 130:38375
TITLE: Preparation of 5-furfurylidene-4-thiazolidinones and analogs as vascular endothelial growth factor receptor antagonists
INVENTOR(S): Scott, Ian L.; Biediger, Ronald J.; Market, Robert V.
PATENT ASSIGNEE(S): Texas Biotechnology Corporation, USA
SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9853790	A2	19981203	WO 1998-US9366	19980601
WO 9853790	A3	19990304		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1997-48105P P 19970530

OTHER SOURCE(S): MARPAT 130:38375
GI



I

AB Title compds. [I; R = TR4; X = O, S, CR5:CR6; R1-R6 = H, cycloalkyl, heterocyclyl, aryl, etc.; R4 = H, (cyclo)alkyl, heterocyclyl, aryl, etc.; T = bond, alkylene, (alkyl)imino, NHCO, etc.; Y = O, S, (alkyl)imino, CH2; Z = CH2, CO, CS] were prepared as vascular endothelial growth factor receptor antagonists (no data). Thus, 3-benzyl-4-thiazolidinone was acylated by Me 5-phenyl-2-furoate (preparation each given) and the product converted in 2 steps to I (R = CH2Ph, R1 = Ph, R2 = R3 = H, X = O, Y = S, Z = CH2).

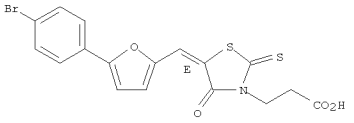
IT 1099214-07-9

L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

RL: PRPH (Prophetic)
(Preparation of 5-furfurylidene-4-thiazolidinones and analogs as vascular endothelial growth factor receptor antagonists)

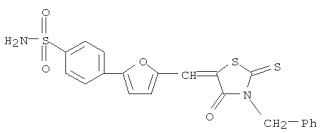
RN 1099214-07-9 CAPLUS
CN 3-Thiazolidinepropanoic acid, 5-[[5-(4-bromophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo-, (5E)- (CA INDEX NAME)

Double bond geometry as shown.



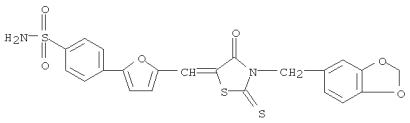
IT 216771-83-4P 216772-12-2P 216772-23-5P
216772-28-0P 216772-32-6P 216772-38-2P
216772-46-2P 216772-69-9P 216772-72-4P
216772-76-8P 216772-80-4P 216772-84-8P
216772-91-7P 216772-93-9P 216772-99-5P
216773-01-2P 216773-38-5P 216773-47-6P
216773-52-3P 216773-61-4P 216773-76-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 5-furfurylidene-4-thiazolidinones and analogs as vascular endothelial growth factor receptor antagonists)

RN 216771-83-4 CAPLUS
CN Benzenesulfonamide, 4-[5-[[4-oxo-3-(phenylmethyl)-2-thioxo-5-thiazolidinylidene]methyl]-2-furanyl]- (CA INDEX NAME)



RN 216772-12-2 CAPLUS
CN Benzenesulfonamide, 4-[5-[[3-(1,3-benzodioxol-5-ylmethyl)-4-oxo-2-thioxo-5-thiazolidinylidene]methyl]-2-furanyl]- (CA INDEX NAME)

L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 216772-23-5 CAPLUS
CN Benzenesulfonamide, 4-[5-[[3-[[4-(dimethylamino)phenyl]methyl]-4-oxo-2-thioxo-5-thiazolidinylidene]methyl]-2-furanyl]- (CA INDEX NAME)

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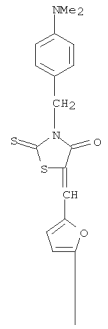

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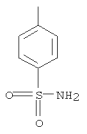
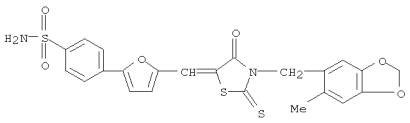


RN 216772-28-0 CAPLUS

L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
CN Benzenesulfonamide,
4-[5-[[3-[(6-methyl-1,3-benzodioxol-5-yl)methyl]-4-oxo-
2-thioxo-5-thiazolidinylidene]methyl]-2-furanyl]- (CA INDEX NAME)



RN 216772-32-6 CAPLUS
CN Benzenesulfonamide, 4-[5-[[3-[(3-bromophenyl)methyl]-4-oxo-2-thioxo-5-
thiazolidinylidene]methyl]-2-furanyl]- (CA INDEX NAME)

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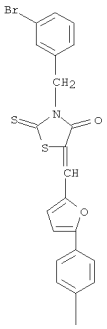
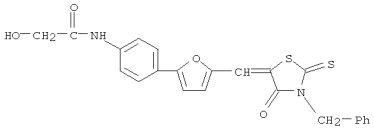
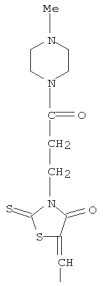


L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 216772-72-4 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(4-bromophenyl)-2-furanyl]methylene]-3-[3-(4-
methyl-1-piperazinyl)-3-oxopropyl]-2-thioxo- (CA INDEX NAME)

PAGE 1-A



L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

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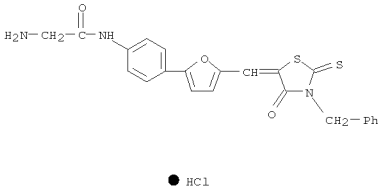
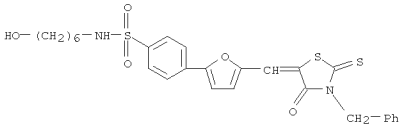
RN 216772-38-2 CAPLUS
CN Acetamide, 2-amino-N-[4-[5-[[4-oxo-3-(phenylmethyl)-2-thioxo-5-
thiazolidinylidene]methyl]-2-furanyl]phenyl]-, hydrochloride (1:1) (CA
INDEX NAME)



RN 216772-46-2 CAPLUS
CN Benzenesulfonamide, N-(6-hydroxyhexyl)-4-[5-[[4-oxo-3-(phenylmethyl)-2-
thioxo-5-thiazolidinylidene]methyl]-2-furanyl]- (CA INDEX NAME)



RN 216772-69-9 CAPLUS
CN Acetamide, 2-hydroxy-N-[4-[5-[[4-oxo-3-(phenylmethyl)-2-thioxo-5-
thiazolidinylidene]methyl]-2-furanyl]phenyl]- (CA INDEX NAME)

L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

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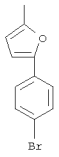
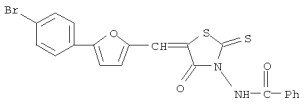
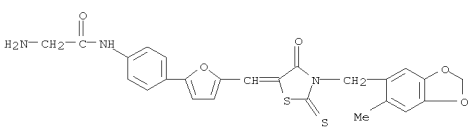


RN 216772-76-8 CAPLUS
CN Benzamide,
N-[5-[[5-(4-bromophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo-3-
thiazolidinyl]- (CA INDEX NAME)



RN 216772-80-4 CAPLUS
CN Acetamide, 2-amino-N-[4-[5-[[3-[(6-methyl-1,3-benzodioxol-5-yl)methyl]-4-
oxo-2-thioxo-5-thiazolidinylidene]methyl]-2-furanyl]phenyl]- (CA INDEX
NAME)



RN 216772-84-8 CAPLUS
CN Benzenesulfonamide, 4-[5-[[3-[(3-hydroxyphenyl)methyl]-4-oxo-2-thioxo-5-
thiazolidinylidene]methyl]-2-furanyl]- (CA INDEX NAME)

L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

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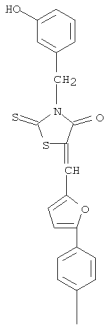

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RN 216772-91-7 CAPLUS
CN 4-Thiazolidinone,
5-[[5-(4-bromophenyl)-2-furanyl]methylene]-3-[2-oxo-2-(1-piperazinyl)ethyl]-2-thioxo- (CA INDEX NAME)

L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

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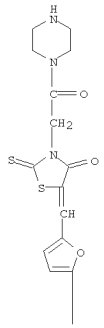

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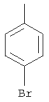

RN 216772-93-9 CAPLUS
CN 4-Thiazolidinone,
3-[2-[4-(2-aminoacetyl)-1-piperazinyl]-2-oxoethyl]-5-[[5-(4-bromophenyl)-2-furanyl]methylene]-2-thioxo- (CA INDEX NAME)

L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

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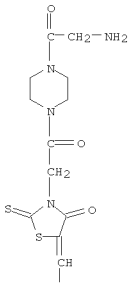

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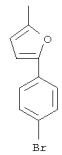

RN 216772-99-5 CAPLUS
CN Benzenesulfonamide, 4-[5-[[3-[(3-chlorophenyl)methyl]-4-oxo-2-thioxo-5-thiazolidinylidene]methyl]-2-furanyl]- (CA INDEX NAME)

L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

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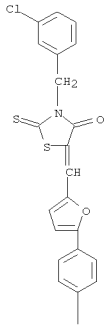

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RN 216773-01-2 CAPLUS
CN Benzenesulfonamide, 4-[5-[[3-[(3-iodophenyl)methyl]-4-oxo-2-thioxo-5-thiazolidinylidene]methyl]-2-furanyl]- (CA INDEX NAME)

L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

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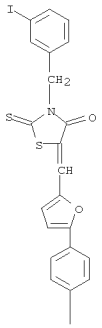

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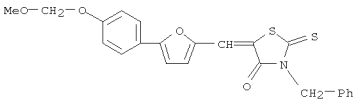
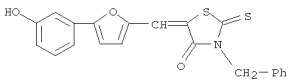
RN 216773-38-5 CAPLUS
CN 4-Thiazolidinone,
5-[[5-[4-(methoxymethoxy)phenyl]-2-furanyl]methylene]-3-
(phenylmethyl)-2-thioxo- (CA INDEX NAME)

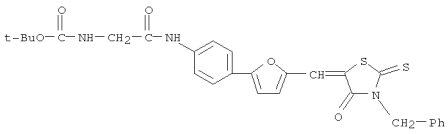


RN 216773-47-6 CAPLUS
CN Glycine, N-[[5-[[5-(4-bromophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo-3-

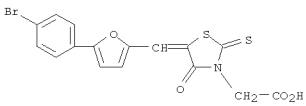
L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



IT 216774-89-9 216774-96-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of 5-furfurylidene-4-thiazolidinones and analogs as
vascular
endothelial growth factor receptor antagonists)
RN 216774-89-9 CAPLUS
CN Carbamic acid, [2-oxo-2-[[4-[5-[[4-oxo-3-(phenylmethyl)-2-thioxo-5-
thiazolidinylidene]methyl]-2-furanyl]phenyl]amino]ethyl]-,
1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

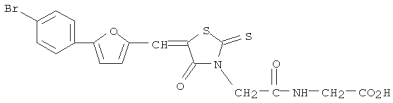


RN 216774-96-8 CAPLUS
CN 3-Thiazolidineacetic acid, 5-[[5-(4-bromophenyl)-2-furanyl]methylene]-4-
oxo-2-thioxo- (CA INDEX NAME)



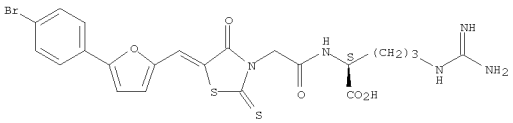
IT 216774-18-4P 216774-28-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of 5-furfurylidene-4-thiazolidinones and analogs as
vascular
endothelial growth factor receptor antagonists)
RN 216774-18-4 CAPLUS
CN Carbamic acid,
[2-[4-[[5-[[5-(4-bromophenyl)-2-furanyl]methylene]-4-oxo-2-
thioxo-3-thiazolidinyl]acetyl]-1-piperazinyl]-2-oxoethyl]-,
1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
thiazolidinyl]acetyl]- (9CI) (CA INDEX NAME)

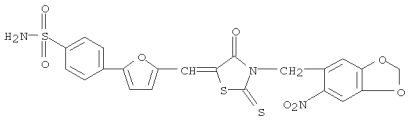


RN 216773-52-3 CAPLUS
CN L-Arginine,
N2-[[5-[[5-(4-bromophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo-
3-thiazolidinyl]acetyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.



RN 216773-61-4 CAPLUS
CN Benzenesulfonamide,
4-[5-[[3-[(6-nitro-1,3-benzodioxol-5-yl)methyl]-4-oxo-
2-thioxo-5-thiazolidinylidene]methyl]-2-furanyl]- (CA INDEX NAME)



RN 216773-76-1 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(3-hydroxyphenyl)-2-furanyl]methylene]-3-
(phenylmethyl)-2-thioxo- (CA INDEX NAME)

L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

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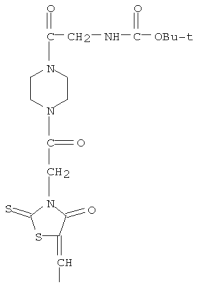

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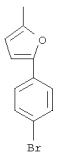
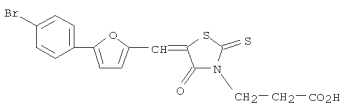
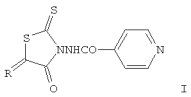


RN 216774-28-6 CAPLUS
CN 3-Thiazolidinepropanoic acid,
5-[[5-(4-bromophenyl)-2-furanyl]methylene]-4-
oxo-2-thioxo- (CA INDEX NAME)



L7 ANSWER 73 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 74 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1980:69311 CAPLUS
DOCUMENT NUMBER: 92:69311
ORIGINAL REFERENCE NO.: 92:11289a,11292a
TITLE: Data on acute toxicity of some 2-thion-3-isonicotinoylaminothiazolid-4-one derivatives
AUTHOR(S): Danila, G.; Cuciureanu, Rodica
CORPORATE SOURCE: Inst. Med. Farm., Iasi, Rom.
SOURCE: Revista Medico-Chirurgicala (1979), 83(1), 131-5
CODEN: RMNIBN; ISSN: 0300-8738
DOCUMENT TYPE: Journal
LANGUAGE: Romanian
GI

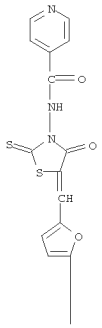


I

AB The LD50 values of 20 title tuberculostatics I (R = benzylidene, substituted benzoylidene, cyclohexylidene, furfurylidene, 2-oxo-3-indolene, etc.) were determined by i.p. administration in mice. The highest toxicity was shown by 5-(2-nitrobenzylidene)-3-isonicotinoylaminothiazolid-4-one-2-thione [68711-00-2]. Structure-activity relations were discussed. OH and/or OMe substituents in the benzylidene ring decreased the toxicity of 5-benzylidene-3-isonicotinoylaminothiazolid-4-one-2-thione [1908-94-7]. The 2-oxo-3-indolene group strongly decreased the toxicity.
IT 68711-03-5
RL: ADV (Adverse effect, including toxicity); BIOL (Biological study) (toxicity of)
RN 68711-03-5 CAPLUS
CN 4-Pyridinecarboxamide, N-[5-[[5-(4-bromophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo-3-thiazolidinyl]- (CA INDEX NAME)

L7 ANSWER 74 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

PAGE 1-A



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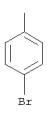

L7 ANSWER 75 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1979:121475 CAPLUS
DOCUMENT NUMBER: 90:121475
ORIGINAL REFERENCE NO.: 90:19231a,19234a
TITLE: Furan derivatives. LXXIV. Reaction of 3-substituted rhodanines with furfurals
AUTHOR(S): Knoppova, V.; Kada, R.; Kovac, J.
CORPORATE SOURCE: Zb. Pr. Chemickotechnol. Fak., Slov. Vys. Sk. Tech., Bratislava, Czech.
SOURCE: Zbornik Prac Chemickotechnologickej Fakulty SVST (1978), Volume Date 1975-1976 67-72
CODEN: ZPCTA7; ISSN: 0524-2185
DOCUMENT TYPE: Journal
LANGUAGE: Slovak
OTHER SOURCE(S): CASREACT 90:121475
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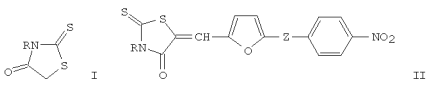
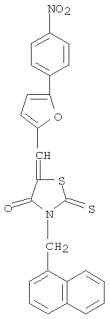


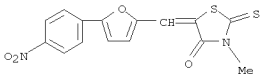
I II

AB The title rhodanines I (R = Me, α-naphthyl, α-naphthylmethyl, 4-R1C6H4; R1 = H, Cl, Br, Me, MeCO, MeO, EtO, EtO2C) condensed with 5-(4-nitrophenyl)- and 5-[(4-nitrophenyl)thio]furfural to give 18 corresponding I (R as above, Z = single bond, S) in 55.2-70.5% yield. Second-order rate consts. for the process and IR and UV spectral data for I are given.
IT 69512-96-5P 69512-99-8P
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and IR and UV spectra of)
RN 69512-96-5 CAPLUS
CN 4-Thiazolidinone, 3-(1-naphthalenylmethyl)-5-[[5-(4-nitrophenyl)-2-furanyl]methylene]-2-thioxo- (CA INDEX NAME)

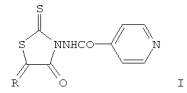
L7 ANSWER 75 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 69512-99-8 CAPLUS
CN 4-Thiazolidinone, 3-methyl-5-[[5-(4-nitrophenyl)-2-furanyl]methylene]-2-thioxo- (CA INDEX NAME)



L7 ANSWER 76 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1979:33767 CAPLUS
DOCUMENT NUMBER: 90:33767
ORIGINAL REFERENCE NO.: 90:5327a,5330a
TITLE: Derivatives of 2-thioxo-3-isonicotinylaminothiazolid-4-one with tuberculostatic activity
AUTHOR(S): Danila, G.; Radu, C.
CORPORATE SOURCE: Disciplina Toxicol., Inst. Med. Farm., Iasi, Rom.
SOURCE: Revista Medico-Chirurgicala (1978), 82(1), 127-30
CODEN: RMNIBN; ISSN: 0300-8738
DOCUMENT TYPE: Journal
LANGUAGE: Romanian
GI



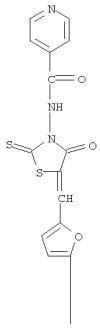
I

AB Sixteen derivs. of the title compds. I (R = benzylidene, substituted benzylidene, etc.) at 0.1, 0.2, 0.5, and 1 μg/mL were evaluated against Mycobacterium tuberculosis human type H37Rv. The activity depends on the nature of the radical at position 5 of I. 5-(2-Hydroxybenzylidene)-3-(isonicotinoylamino)-2-thiothiazolidin-4-one [68710-95-2], 5-(4-acetylbenzylidene)-3-(isonicotinoylamino)-2-thiothiazolidin-4-one [68710-96-3], and

5-[4-(dimethylamino)benzylidene]-3-(isonicotinoylamino)-2-thiothiazolidin-4-one [1908-97-0] at 1 μg/mL were as effective as isoniazid.
IT 68711-03-5
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tuberculostatic activity of)
RN 68711-03-5 CAPLUS
CN 4-Pyridinecarboxamide, N-[5-[[5-(4-bromophenyl)-2-furanyl]methylene]-4-oxo-2-thioxo-3-thiazolidinyl]- (CA INDEX NAME)

L7 ANSWER 76 OF 76 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

PAGE 1-A



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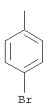

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L2           50 S L1
L3         7216 S L1 FULL

     FILE 'CAPLUS' ENTERED AT 08:19:38 ON 05 MAR 2009
L4          192 S L3

     FILE 'REGISTRY' ENTERED AT 08:28:49 ON 05 MAR 2009
L5             STRUCTURE UPLOADED
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L7           76 S L6

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FULL ESTIMATED COST                                  44.98     357.34

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                  -5.74     -16.40

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DICTIONARY FILE UPDATES:   3 MAR 2009  HIGHEST RN 1115115-78-0

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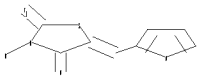

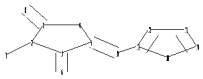

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6 7 8
ring nodes :
1 2 3 4 5 10 11 12 13 14
ring/chain nodes :
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1-6 2-7 3-8 5-15 11-15
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exact/norm bonds :
1-2 1-5 1-6 2-3 2-7 3-4 3-8 4-5
exact bonds :
5-15 10-11 10-14 11-12 11-15 12-13 13-14
isolated ring systems :
containing 10 :

G1:C,O,S,N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:CLASS

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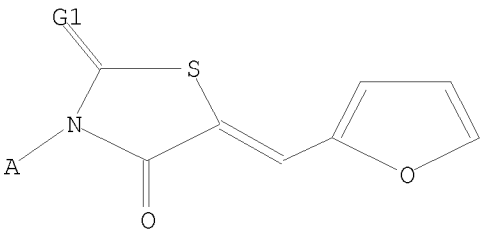


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G1 C,O,S,N


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FILE COVERS 1907 - 5 Mar 2009 VOL 150 ISS 10
FILE LAST UPDATED: 4 Mar 2009 (20090304/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

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http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L10
L11 13 L10

=> D IBIB ABS HITSTR TOT

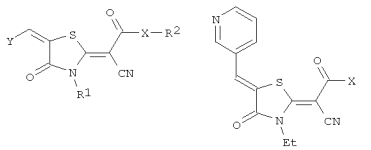
L11 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:1117665 CAPLUS
DOCUMENT NUMBER: 145:455002
TITLE: Preparation of thiazolidinones as polo like kinase inhibitors
INVENTOR(S): Prien, Olaf; Schulze, Volker; Eis, Knut; Wortmann, Lars; Kosemund, Dirk; Siemeister, Gerhard; Eberspaecher, Uwe; Guenther, Judith; Brittain, Dominic
E. A.
PATENT ASSIGNEE(S): Schering A.-G., Germany
SOURCE: Ger. Offen., 37pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102005020104	A1	20061026	DE 2005-102005020104	20050425
AU 2006239443	A1	20061102	AU 2006-239443	20060424
CA 2605756	A1	20061102	CA 2006-2605756	20060424
EP 1877406	A1	20080116	EP 2006-753498	20060424
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2008538755	T	20081106	JP 2008-507024	20060424
US 20070010566	A1	20070111	US 2006-410285	20060425
MX 2007013305	A	20071213	MX 2007-13305	20071025
IN 2007DN08550	A	20080627	IN 2007-DN8550	20071106
KR 2008003924	A	20080108	KR 2007-727260	20071123
NO 2007006037	A	20080116	NO 2007-6037	20071123
CN 101208336	A	20080625	CN 2006-80022955	20071225

PRIORITY APPLN. INFO.: DE 2005-102005020104A 20050425
US 2005-676948P P 20050503
WO 2006-EP4225 W 20060424

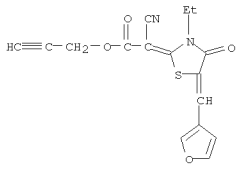
OTHER SOURCE(S): MARPAT 145:455002
GI

L11 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



I II

AB Title compds. I [Y = Q(A)(B); Q = heteroaryl; A, B = H, halo, OH, etc.; R1 = alkyl, cycloalkyl, allyl, etc.; R2 = H, halo, OH, etc.; X = NH, NR5; R5 = halo, OH, CN, etc.] and their pharmaceutically acceptable salts were prepared For example, N-acylation of 2,2,2-trifluoroethanamine and carboxylic acid II [X = OH] afforded amide II [X = NHCH2CF3] in 69% yield.
In polo like kinase-1 inhibition assays, 2-examples of compds. I exhibited IC50 values ranging from 230-250 nM.
IT 913474-97-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of thiazolidinones as polo like kinase inhibitors)
RN 913474-97-2 CAPLUS
CN Acetic acid, 2-cyano-2-[3-ethyl-5-(3-furanylmethylene)-4-oxo-2-thiazolidinylidene]-, 2-propyn-1-yl ester (CA INDEX NAME)



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

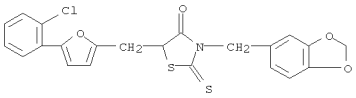
L11 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:409306 CAPLUS
DOCUMENT NUMBER: 142:441839
TITLE: Rhodanine compounds and compositions for use as antiviral agents
INVENTOR(S): Rajinder, Singh; Usha, Ramesh; Clough, Jeffrey; Issakani, Sarkiz D.; Look, Gary Charles
PATENT ASSIGNEE(S): Rigel Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 82 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005041951	A2	20050512	WO 2004-US35795	20041028
WO 2005041951	A3	20051006		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

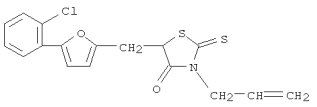
PRIORITY APPLN. INFO.: US 2003-514951P P 20031028
US 2003-526726P P 20031203

OTHER SOURCE(S): MARPAT 142:441839
AB The invention describes compds. and pharmaceutical compns. useful as inhibitors of ubiquitination. The compds. and compns. of the invention are useful as inhibitors of the biochem. pathways of organisms in which ubiquitination is involved. In particular, the compds. and compns. are useful for treating diseases caused by viruses such as poxviruses and retroviruses. The invention further provides for methods of treating smallpox, herpes virus and HIV infection in patients using the compds. and compns. of the invention. Preparation of selected rhodanine compds. is described.
IT 691881-90-0 691881-92-2
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Rhodanine compds. and compns. for use as antiviral agents)
RN 691881-90-0 CAPLUS
CN 4-Thiazolidinone, 3-(1,3-benzodioxol-5-ylmethyl)-5-[[5-(2-chlorophenyl)-2-furanyl]methyl]-2-thioxo- (CA INDEX NAME)

L11 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 691881-92-2 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(2-chlorophenyl)-2-furanyl]methyl]-3-(2-propen-1-yl)-2-thioxo- (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:927010 CAPLUS
DOCUMENT NUMBER: 141:376382
TITLE: Pin1-modulating compounds and methods of use for the treatment of Pin1-associated diseases, including cancer
INVENTOR(S): Bao, Lere; Kimzey, Amy
PATENT ASSIGNEE(S): Pintex Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 189 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004093803	A2	20041104	WO 2004-US11957	20040416
WO 2004093803	A3	20060803		

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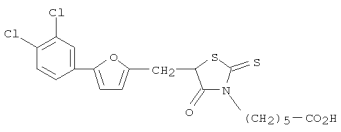
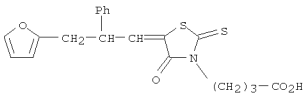
PRIORITY APPLN. INFO.: US 2003-463271P P 20030416

OTHER SOURCE(S): MARPAT 141:376382
AB The invention is directed to modulators, e.g., inhibitors, of Pin1 and Pin1-related proteins and the use of such modulators for treatment of Pin1 associated states, e.g., for the treatment of cancer. The present invention aims to provide photochemotherapeutic compds. with increased specificity as compared with known agents.
IT 676645-40-2 676648-39-8 676651-71-1 677000-84-9 677001-10-4 677002-30-1
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Pin1-modulating compds. for treatment of Pin1-associated diseases, including cancer)
RN 676645-40-2 CAPLUS
CN 3-Thiazolidinehexanoic acid, 5-[[5-(3,4-dichlorophenyl)-2-furanyl]methyl]-4-oxo-2-thioxo- (CA INDEX NAME)

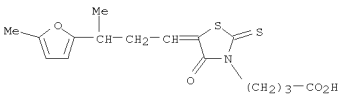
L11 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 676648-39-8 CAPLUS
CN 3-Thiazolidinebutanoic acid, 5-[3-(2-furanyl)-2-phenylpropylidene]-4-oxo-2-thioxo- (CA INDEX NAME)

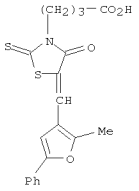


RN 676651-71-1 CAPLUS
CN 3-Thiazolidinebutanoic acid, 5-[3-(5-methyl-2-furanyl)butylidene]-4-oxo-2-thioxo- (CA INDEX NAME)

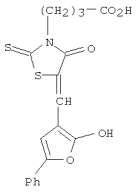


RN 677000-84-9 CAPLUS
CN 3-Thiazolidinebutanoic acid, 5-[(2-methyl-5-phenyl-3-furanyl)methylene]-4-oxo-2-thioxo- (CA INDEX NAME)

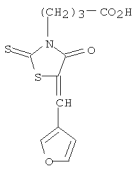
L11 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 677001-10-4 CAPLUS
CN 3-Thiazolidinebutanoic acid, 5-[(2-hydroxy-5-phenyl-3-furanyl)methylene]-4-oxo-2-thioxo- (CA INDEX NAME)



RN 677002-30-1 CAPLUS
CN 3-Thiazolidinebutanoic acid, 5-(3-furanylmethylene)-4-oxo-2-thioxo- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

L11 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:430800 CAPLUS
DOCUMENT NUMBER: 140:423667
TITLE: A preparation of rhodanine derivatives, useful as inhibitors of ubiquitination
INVENTOR(S): Singh, Rajinder; Ramesh, Usha V.; Goff, Dane; Laidig, Guy; Issakani, Sarkiz D.; Huang, Jianing; Payan, Donald G.
PATENT ASSIGNEE(S): Rigel Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 71 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

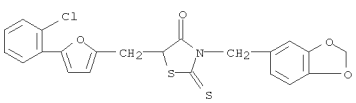
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004043955	A1	20040527	WO 2003-US36747	20031113
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003291024	A1	20040603	AU 2003-291024	20031113
EP 1597255	A1	20051123	EP 2003-783609	20031113
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 20060276520	A1	20061207	US 2005-534919	20050510
PRIORITY APPLN. INFO.:			US 2002-426280P	P 20021113
			US 2003-514951P	P 20031028
			WO 2003-US36747	W 20031113

OTHER SOURCE(S): MARPAT 140:423667
GI

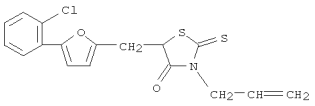
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB This invention describes rhodanine derivs. of formula I [wherein: A is (hetero)aryl; B is C1-6alkyl or C2-6alkenyl; X is S, O, etc.; Y is S, O, S(O), or SO2, etc.; R1 = H, NH2, C1-6alkyl, or C1-2alkenyl, etc.; R2 = H, halogen, C1-6alkyl, C0-6alkyl-(hetero)aryl, or NO2, etc.; R3 = H, C1-6alkyl, or C2-6alkenyl; or R3 and B together with the carbon atom to which they are attached form an alkenyl or a spirocyclic ring], useful as

L11 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
inhibitors of ubiquitination. The compds. and compns. of the invention are useful as inhibitors of the biochem. pathways of organisms in which ubiquitination is involved. The invention compds. were screened in MDM2 assay (measuring the attachment of ubiquitin to p53) and APC-11/APC-2 ligase assay (auto-ubiquitination). In particular, the compds. and compns. are useful for treating cell proliferative diseases such as cancers. For instance, rhodanine deriv. II was prepd. via addn. of Et thioglycolate to benzyl isothiocyanate, intramol. heterocyclization of the
obtained carboxylate III, and condensation of furan deriv. IV with the obtained thiazolone V (example 1).
IT 691881-90-0P 691881-92-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of rhodanine derivs. and pharmaceutical compns. containing them,
useful as inhibitors of ubiquitination)
RN 691881-90-0 CAPLUS
CN 4-Thiazolidinone, 3-(1,3-benzodioxol-5-ylmethyl)-5-[[5-(2-chlorophenyl)-2-furanyl]methyl]-2-thioxo- (CA INDEX NAME)



RN 691881-92-2 CAPLUS
CN 4-Thiazolidinone, 5-[[5-(2-chlorophenyl)-2-furanyl]methyl]-3-(2-propen-1-yl)-2-thioxo- (CA INDEX NAME)



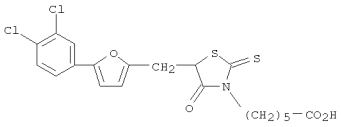
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:291950 CAPLUS
DOCUMENT NUMBER: 140:315042
TITLE: Pin1-modulating compounds and methods of use for the treatment of Pin1-associated diseases, including cancer
INVENTOR(S): Mckee, Timothy D.; Suto, Robert K.; Tibbitts, Thomas; Sowadski, Janusz
PATENT ASSIGNEE(S): Pintex Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 166 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

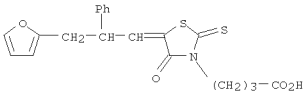
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004028535	A1	20040408	WO 2003-US6675	20030303
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003225669	A1	20040419	AU 2003-225669	20030303
US 20040214872	A1	20041028	US 2003-379408	20030303
EP 1551396	A1	20050713	EP 2003-798653	20030303
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRIORITY APPLN. INFO.:			US 2002-414077P	P 20020926
			WO 2003-US6675	W 20030303

OTHER SOURCE(S): MARPAT 140:315042
AB The invention is directed to modulators, e.g., inhibitors, of Pin1 and Pin1-related proteins and the use of such modulators for treatment of Pin1
associated states, e.g., for the treatment of cancer. Synthetic methods are
included.
IT 676645-40-2 676648-39-8 676651-71-1
677000-84-9 677001-10-4 677002-30-1
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Pin1-modulating compds. for treatment of Pin1-associated diseases, including cancer)
RN 676645-40-2 CAPLUS
CN 3-Thiazolidinehexanoic acid, 5-[[5-(3,4-dichlorophenyl)-2-furanyl]methyl]-4-oxo-2-thioxo- (CA INDEX NAME)

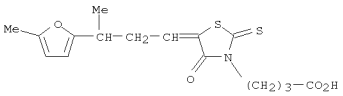
L11 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 676648-39-8 CAPLUS
CN 3-Thiazolidinebutanoic acid, 5-[3-(2-furanyl)-2-phenylpropylidene]-4-oxo-2-thioxo- (CA INDEX NAME)

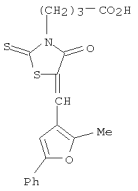


RN 676651-71-1 CAPLUS
CN 3-Thiazolidinebutanoic acid, 5-[3-(5-methyl-2-furanyl)butylidene]-4-oxo-2-thioxo- (CA INDEX NAME)

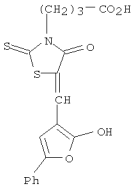


RN 677000-84-9 CAPLUS
CN 3-Thiazolidinebutanoic acid, 5-[(2-methyl-5-phenyl-3-furanyl)methylene]-4-oxo-2-thioxo- (CA INDEX NAME)

L11 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

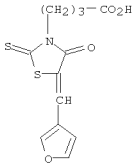


RN 677001-10-4 CAPLUS
CN 3-Thiazolidinebutanoic acid, 5-[(2-hydroxy-5-phenyl-3-furanyl)methylene]-4-oxo-2-thioxo- (CA INDEX NAME)



RN 677002-30-1 CAPLUS
CN 3-Thiazolidinebutanoic acid, 5-(3-furanylmethylene)-4-oxo-2-thioxo- (CA INDEX NAME)

L11 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



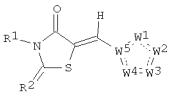
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

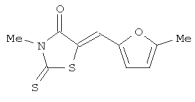
ACCESSION NUMBER: 2000:384190 CAPLUS
DOCUMENT NUMBER: 133:30722
TITLE: Preparation of arylmethylene and heterocyclylmethylene thiazolidinediones and analogs as tumor necrosis factor inhibitors
INVENTOR(S): Wang, Jing; Ramnarayan, Kalyanaraman; Rideout, Darryl; Mong, Seymour; Zhu, Hengyi; Niemeyer, Christina; Brady, Thomas P.
PATENT ASSIGNEE(S): Structural Bioinformatics Inc., USA
SOURCE: PCT Int. Appl., 127 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000032598	A1	20000608	WO 1999-US28856	19991206
W: AU, CA, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
PRIORITY APPLN. INFO.:			US 1998-206108	A 19981204
			US 1999-316415	A 19990521

OTHER SOURCE(S): MARPAT 133:30722
GI



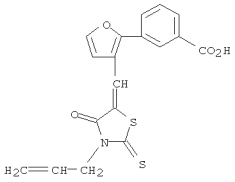
I



II

AB The title compds. (I) [wherein W1-W5 together = aliphatic, heterocyclic, or heteroarom. ring; R1 = H or (un)substituted heterocyclic, (hetero)aromatic, or (cyclo)alkyl; R2 = O or S] and analogs were prepared by condensing aldehydes with thiazolidinediones. For example, 5-methylfuran-2-carboxaldehyde was coupled with 2-thioxo-3-methylthiazolidin-4-one to yield (E)-II (56%). I are TNF receptor antagonists that act as specific inhibitors of TNF-dependent NF-κB activation signaled by certain members of the TNF receptor superfamily for the prophylaxis and treatment of inflammatory diseases (no data).
IT 1100594-27-1
RL: PRPH (Prophetic)
(Preparation of arylmethylene and heterocyclylmethylene

L11 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
thiazolidinediones and analogs as tumor necrosis factor inhibitors)
RN 1100594-27-1 CAPLUS
CN Benzoic acid, 3-[3-[[4-oxo-3-(2-propen-1-yl)-2-thioxo-5-thiazolidinylidene]methyl]-2-furanyl]- (CA INDEX NAME)

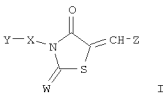


REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L11 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2000:216002 CAPLUS
DOCUMENT NUMBER: 132:246365
TITLE: Thiazolidine derivatives as chymase inhibitors and prophylactic and therapeutic drugs containing them for cardiovascular diseases
INVENTOR(S): Sato, Shoji; Shirakawa, Seiichiro; Tatsui, Akira; Hasegawa, Takeshi; Yamada, Hidenori; Kazayama, Shinichi; Hayashi, Kenji; Takahashi, Atsuo; Kojo, Kentaro; Narita, Senichi
PATENT ASSIGNEE(S): Toa Eiyo, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 28 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000095770	A	20000404	JP 1999-200647	19990714
PRIORITY APPLN. INFO.:			JP 1998-206758 A	19980722

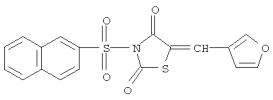
OTHER SOURCE(S): MARPAT 132:246365
GI



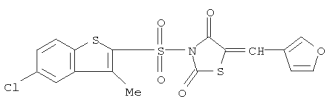
I

AB The title derivs. I [Y = (un)substituted aryl, (un)substituted mono or condensed heterocyclyl; X = sulfonyl, carbonyl, carboxyloxy, thiocarbonyloxy; W = O, S; Z = (un)substituted aryl, (un)substituted mono- or condensed heterocyclyl, monocyclic lower satd, hydrocarbyl] or their salts are claimed. Also claimed are chymase inhibitors and drugs for prevention and treatment of diseases caused by hyperprodn. of angiotensin II, i.e. hypertension, cardiac hypertrophy, cardiac infarction, atherosclerosis, diabetic or nondiabetic renal diseases, and restenosis after PTCA. IC50 of 5-[2-(5-hydroxymethyl)furylmethylidene]-3-(2-naphthylcarbonyl)-1,3-thiazolidine-2,4-dione against heart chymase of rhesus monkey was 223 nM.
IT 262602-73-3P 262602-74-4P 262602-75-5P
262602-76-6P 262602-77-7P 262602-78-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

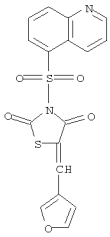
L11 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
BIOL (Biological study); PREP (Preparation); USES (Uses)
(chymase inhibitors for treatment of cardiovascular diseases caused by hyperprodn. of angiotensin II)
RN 262602-73-3 CAPLUS
CN 2,4-Thiazolidinedione, 5-(3-furanylmethylene)-3-(2-naphthalenylsulfonyl)- (CA INDEX NAME)



RN 262602-74-4 CAPLUS
CN 2,4-Thiazolidinedione, 3-[(5-chloro-3-methylbenzo[b]thien-2-yl)sulfonyl]-5-(3-furanylmethylene)- (CA INDEX NAME)

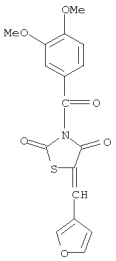


RN 262602-75-5 CAPLUS
CN 2,4-Thiazolidinedione, 5-(3-furanylmethylene)-3-(5-quinolinylsulfonyl)- (CA INDEX NAME)

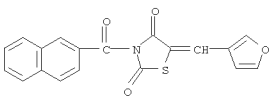


RN 262602-76-6 CAPLUS

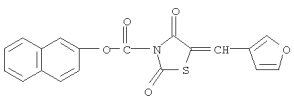
L11 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
CN 2,4-Thiazolidinedione, 3-(3,4-dimethoxybenzoyl)-5-(3-furanylmethylene)- (CA INDEX NAME)



RN 262602-77-7 CAPLUS
CN 2,4-Thiazolidinedione, 5-(3-furanylmethylene)-3-(2-naphthalenylcarbonyl)- (CA INDEX NAME)



RN 262602-78-8 CAPLUS
CN 3-Thiazolidinecarboxylic acid, 5-(3-furanylmethylene)-2,4-dioxo-, 2-naphthalenyl ester (CA INDEX NAME)



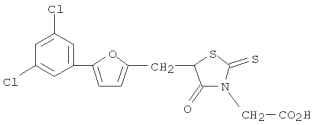
L11 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2000:144739 CAPLUS
DOCUMENT NUMBER: 132:189652
TITLE: Rhodanine derivatives, preparation thereof, compositions, and methods for treating or preventing Flaviviridae family viral infections and associated diseases
INVENTOR(S): Bailey, Thomas R.; Young, Dorothy C.
PATENT ASSIGNEE(S): Viropharma Incorporated, USA
SOURCE: PCT Int. Appl., 91 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000010573	A1	20000302	WO 1999-US18785	19990819
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2341970	A1	20000302	CA 1999-2341970	19990819
AU 9955702	A	20000314	AU 1999-55702	19990819
AU 743411	B2	20020124		
BR 9913157	A	20010515	BR 1999-13157	19990819
EP 1128832	A1	20010905	EP 1999-942288	19990819
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002523371	T	20020730	JP 2000-565894	19990819
US 20020052396	A1	20020502	US 2001-976949	20011012
US 20030195213	A1	20031016	US 2003-366796	20030214
US 20040198741	A1	20041007	US 2004-829864	20040422

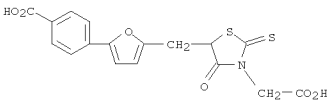
PRIORITY APPLN. INFO.: US 1998-97476P P 19980821
US 1998-113212P P 19981222
US 1999-119328P P 19990209
US 1999-135585P P 19990524
US 1999-135586P P 19990524
WO 1999-US18785 W 19990819
US 2001-763261 A1 20010423
US 2003-366796 B1 20030214

OTHER SOURCE(S): MARPAT 132:189652

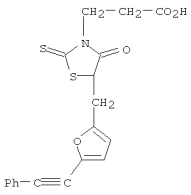
L11 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
AB Compds., compns. and methods are provided for the treatment and prophylaxis of infections and associated diseases caused by viruses of the Flaviviridae family by administering certain rhodanine derivs., and analogs thereof, tri- and tetracyclic rhodanine alkanoic acids and rhodanine benzoic acids being particularly effective.
IT 1100514-35-9 1100514-41-7 1100514-46-2
1100514-47-3 1100515-05-6 1100515-06-7
1100515-07-8 1100515-12-5 1100515-13-6
RL: PRPH (Prophetic)
(Rhodanine derivatives, preparation thereof, compositions, and methods for treating or preventing Flaviviridae family viral infections and associated diseases)
RN 1100514-35-9 CAPLUS
CN 3-Thiazolidineacetic acid, 5-[[5-(3,5-dichlorophenyl)-2-furanyl]methyl]-4-oxo-2-thioxo- (CA INDEX NAME)



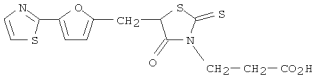
RN 1100514-41-7 CAPLUS
CN 3-Thiazolidineacetic acid, 5-[[5-(4-carboxyphenyl)-2-furanyl]methyl]-4-oxo-2-thioxo- (CA INDEX NAME)



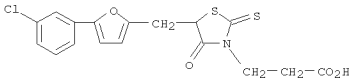
RN 1100514-46-2 CAPLUS
CN 3-Thiazolidinepropanoic acid, 4-oxo-5-[[5-(2-phenylethynyl)-2-furanyl]methyl]-2-thioxo- (CA INDEX NAME)



RN 1100514-47-3 CAPLUS
CN 3-Thiazolidinepropanoic acid, 4-oxo-5-[[5-(2-thiazolyl)-2-furanyl]methyl]-2-thioxo- (CA INDEX NAME)

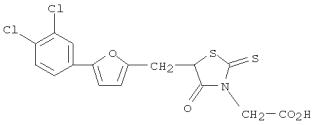


RN 1100515-05-6 CAPLUS
CN 3-Thiazolidinepropanoic acid, 5-[[5-(3-chlorophenyl)-2-furanyl]methyl]-4-oxo-2-thioxo- (CA INDEX NAME)

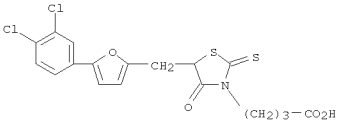


RN 1100515-06-7 CAPLUS
CN 3-Thiazolidineacetic acid, 5-[[5-(3,4-dichlorophenyl)-2-furanyl]methyl]-4-oxo-2-thioxo- (CA INDEX NAME)

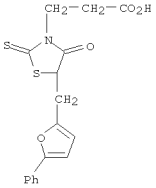
L11 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 1100515-07-8 CAPLUS
CN 3-Thiazolidinebutanoic acid, 5-[[5-(3,4-dichlorophenyl)-2-furanyl]methyl]-4-oxo-2-thioxo- (CA INDEX NAME)

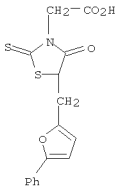


RN 1100515-12-5 CAPLUS
CN 3-Thiazolidinepropanoic acid, 4-oxo-5-[(5-phenyl-2-furanyl)methyl]-2-thioxo- (CA INDEX NAME)



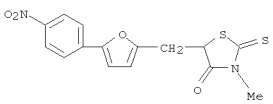
RN 1100515-13-6 CAPLUS
CN 3-Thiazolidineacetic acid, 4-oxo-5-[(5-phenyl-2-furanyl)methyl]-2-thioxo- (CA INDEX NAME)

L11 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

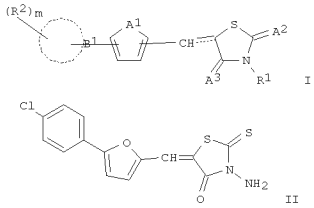
L11 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
CN 4-Thiazolidinone, 3-methyl-5-[[5-(4-nitrophenyl)-2-furanyl]methyl]-2-thioxo- (CA INDEX NAME)



L11 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1999:699110 CAPLUS
DOCUMENT NUMBER: 131:299442
TITLE: Preparation of thiazolidines as sialyl Lewis X synthesis inhibitors
INVENTOR(S): Kobayashi, Kaoru; Nishiyama, Toshihiko; Nakaide, Shinji
PATENT ASSIGNEE(S): Ono Pharmaceutical Co., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 38 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

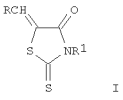
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11302280	A	19991102	JP 1998-106841	19980417
PRIORITY APPLN. INFO.:			JP 1998-106841	19980417

OTHER SOURCE(S): MARPAT 131:299442
GI

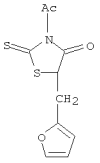


AB The title compds. I [A1, A2, A3 = O, S; R1 = alkyl, alkenyl, etc.; R2 = H, alkyl, etc.; m = 1 - 3; ring B1 = heterocyclic ring, etc.; dotted line indicates single or double bond] are prepared In an in vitro test using HL-60 cells, the title compound II at 3 μM gave 100% inhibition of sialyl Lewis X synthesis. Formulations containing I are given.
IT 247068-14-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of thiazolidines as sialyl Lewis X synthesis inhibitors)
RN 247068-14-0 CAPLUS

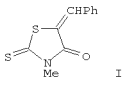
L11 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1995:292057 CAPLUS
DOCUMENT NUMBER: 122:133046
ORIGINAL REFERENCE NO.: 122:24811a,24814a
TITLE: Synthesis and biological activity of 3,5-disubstituted rhodanines. Part IV
AUTHOR(S): Donia, S. G.
CORPORATE SOURCE: Faculty Science, Benha University, Benha, Egypt
SOURCE: Egyptian Journal of Pharmaceutical Sciences (1994), Volume Date 1993, 34(4-6), 521-8
CODEN: EJPSBZ; ISSN: 0301-5068
PUBLISHER: National Information and Documentation Centre
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



AB Substituted rhodanines I (R = thienyl, furyl, pyrrolyl; R1 = H) reacted with halo compds. aromatic aldehydes, ketones, anhydrides, and amines to give I (same R; R1 = Me, Ph, CH:CHPh, etc.). The antibacterial activities of all the synthesized derivs. have been investigated.
IT 160887-07-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis and biol. activity of disubstituted rhodanines)
RN 160887-07-0 CAPLUS
CN 4-Thiazolidinone, 3-acetyl-5-(2-furanylmethyl)-2-thioxo- (CA INDEX NAME)

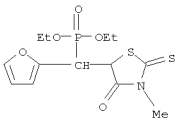


L11 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1994:134356 CAPLUS
DOCUMENT NUMBER: 120:134356
ORIGINAL REFERENCE NO.: 120:23663a,23666a
TITLE: Potassium fluoride on alumina: condensation of 3-methyl-2-thiono-4-thiazolidinone with aldehydes. Synthesis of α-thioacrylic acids and phosphonothionothiazolidinones
AUTHOR(S): Villemin, Didier; Ben Alloum, Abdelkrim
CORPORATE SOURCE: Ec. Natl. Super. Ing. Caen, Caen, F-14050, Fr.
SOURCE: Phosphorus, Sulfur and Silicon and the Related Elements (1993), 79(1-4), 33-41
CODEN: PSSLEC; ISSN: 1042-6507
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 120:134356
GI

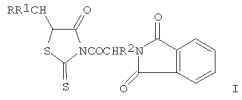


I

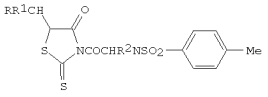
AB Reaction of 3-methyl-2-thiono-4-thiazolidinone with aromatic aldehydes adsorbed on KF on alumina gave under microwave irradiation 5-arylidene-3-methyl-2-thiono-4-thiazolidinones, e.g. I, in 70% to 90% yield. These compds. can be cleaved with NaOH on alumina into α-thiolacrylic acids in quasi-quant. yields. Michael addition of di-Et phosphite to 5-arylidene-3-methyl-2-thiono-4-thiazolidinone is described for the first time.
IT 152819-54-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 152819-54-0 CAPLUS
CN Phosphonic acid, [2-furanyl(3-methyl-4-oxo-2-thioxo-5-thiazolidinyl)methyl]-, diethyl ester (9CI) (CA INDEX NAME)



L11 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1991:101806 CAPLUS
DOCUMENT NUMBER: 114:101806
ORIGINAL REFERENCE NO.: 114:17353a,17356a
TITLE: The synthesis and biological activity of 3,5-disubstituted rhodanines. Part II
AUTHOR(S): Donia, Shafie G.
CORPORATE SOURCE: Fac. Sci., Zagazig Univ., Benha, Egypt
SOURCE: Journal of the Serbian Chemical Society (1989), 54(8),
407-15
CODEN: JSCSEN; ISSN: 0352-5139
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 114:101806
GI



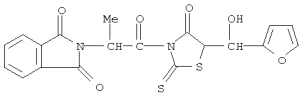
I



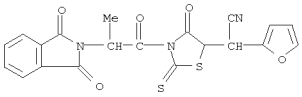
II

AB A new class of rhodanine derivs. with phthalyl I (R = Me, OH, CN; R1 = 2-pyrryl, 2-thiophenyl, 2-furyl; R2 = Gly, Ala, Ser) and tosyl II (R2 = Gly, Val, Leu) amino acid moieties was prepared All the synthesized derivs.
were screened for antimicrobial activity.
IT 132146-42-0P 132146-59-9P 132146-62-4P
132177-44-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and antimicrobial activity of)
RN 132146-42-0 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[2-[5-(2-furanylhydroxymethyl)-4-oxo-2-thioxo-3-thiazolidinyl]-1-methyl-2-oxoethyl]- (CA INDEX NAME)

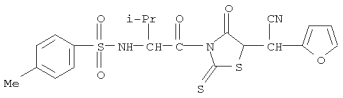
L11 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



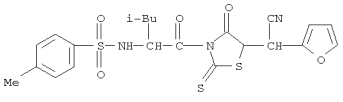
RN 132146-59-9 CAPLUS
CN 5-Thiazolidineacetonitrile, 3-[2-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)-1-oxopropyl]-α-2-furanyl-4-oxo-2-thioxo- (CA INDEX NAME)



RN 132146-62-4 CAPLUS
CN 5-Thiazolidineacetonitrile, α-2-furanyl-3-[3-methyl-2-[[(4-methylphenyl)sulfonyl]amino]-1-oxobutyl]-4-oxo-2-thioxo- (9CI) (CA INDEX NAME)

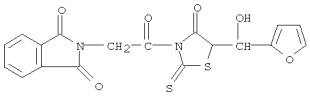


RN 132177-44-7 CAPLUS
CN Benzenesulfonamide, N-[1-[[5-(cyano-2-furanylmethyl)-4-oxo-2-thioxo-3-thiazolidinyl]carbonyl]-3-methylbutyl]-4-methyl- (CA INDEX NAME)

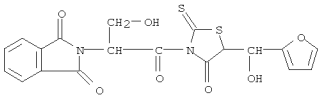


IT 132146-41-9P 132146-43-1P 132146-44-2P
132146-45-3P 132146-46-4P 132146-58-8P
132146-60-2P 132146-61-3P 132146-74-8P
132146-75-9P 132146-76-0P 132146-77-1P

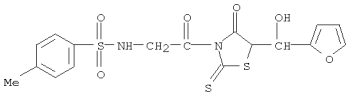
L11 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
132146-78-2P 132146-79-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 132146-41-9 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[2-[5-(2-furanylhydroxymethyl)-4-oxo-2-thioxo-3-thiazolidinyl]-2-oxoethyl]- (CA INDEX NAME)



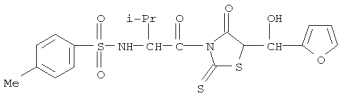
RN 132146-43-1 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[2-[5-(2-furanylhydroxymethyl)-4-oxo-2-thioxo-3-thiazolidinyl]-1-(hydroxymethyl)-2-oxoethyl]- (CA INDEX NAME)



RN 132146-44-2 CAPLUS
CN Benzenesulfonamide, N-[2-[5-(2-furanylhydroxymethyl)-4-oxo-2-thioxo-3-thiazolidinyl]-2-oxoethyl]-4-methyl- (CA INDEX NAME)

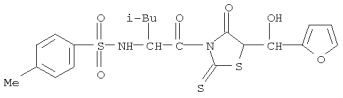


RN 132146-45-3 CAPLUS
CN 4-Thiazolidinone, 5-(2-furanylhydroxymethyl)-3-[3-methyl-2-[[(4-methylphenyl)sulfonyl]amino]-1-oxobutyl]-2-thioxo- (9CI) (CA INDEX NAME)

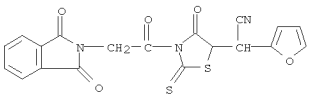


L11 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

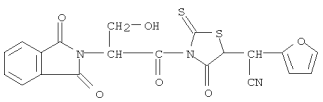
RN 132146-46-4 CAPLUS
CN Benzenesulfonamide, N-[1-[[5-(2-furanylhydroxymethyl)-4-oxo-2-thioxo-3-thiazolidinyl]carbonyl]-3-methylbutyl]-4-methyl- (CA INDEX NAME)



RN 132146-58-8 CAPLUS
CN 5-Thiazolidineacetonitrile, 3-[2-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)acetyl]-α-2-furanyl-4-oxo-2-thioxo- (CA INDEX NAME)

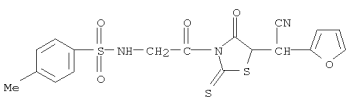


RN 132146-60-2 CAPLUS
CN 5-Thiazolidineacetonitrile, 3-[2-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)-3-hydroxy-1-oxopropyl]-α-2-furanyl-4-oxo-2-thioxo- (CA INDEX NAME)

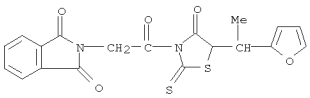


RN 132146-61-3 CAPLUS
CN Benzenesulfonamide, N-[2-[5-(cyano-2-furanylmethyl)-4-oxo-2-thioxo-3-thiazolidinyl]-2-oxoethyl]-4-methyl- (CA INDEX NAME)

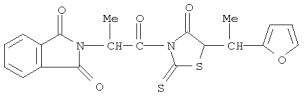
L11 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



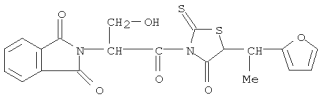
RN 132146-74-8 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[2-[5-[1-(2-furanyl)ethyl]-4-oxo-2-thioxo-3-thiazolidinyl]-2-oxoethyl]- (CA INDEX NAME)



RN 132146-75-9 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[2-[5-[1-(2-furanyl)ethyl]-4-oxo-2-thioxo-3-thiazolidinyl]-1-methyl-2-oxoethyl]- (CA INDEX NAME)

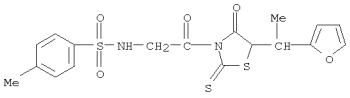


RN 132146-76-0 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[2-[5-[1-(2-furanyl)ethyl]-4-oxo-2-thioxo-3-thiazolidinyl]-1-(hydroxymethyl)-2-oxoethyl]- (CA INDEX NAME)

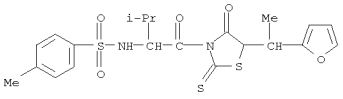


L11 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

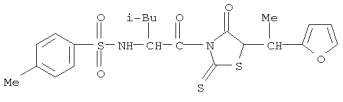
RN 132146-77-1 CAPLUS
CN Benzenesulfonamide, N-[2-[5-[1-(2-furanyl)ethyl]-4-oxo-2-thioxo-3-thiazolidinyl]-2-oxoethyl]-4-methyl- (CA INDEX NAME)



RN 132146-78-2 CAPLUS
CN 4-Thiazolidinone, 5-[1-(2-furanyl)ethyl]-3-[3-methyl-2-[[(4-methylphenyl)sulfonyl]amino]-1-oxobutyl]-2-thioxo- (9CI) (CA INDEX NAME)



RN 132146-79-3 CAPLUS
CN Benzenesulfonamide, N-[1-[[5-[1-(2-furanyl)ethyl]-4-oxo-2-thioxo-3-thiazolidinyl]carbonyl]-3-methylbutyl]-4-methyl- (CA INDEX NAME)



L11 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1967:104946 CAPLUS
DOCUMENT NUMBER: 66:104946
ORIGINAL REFERENCE NO.: 66:19630h,19631a
TITLE: Synthesis of 3-furfurylrhodanine and its 5-arylidene derivatives
AUTHOR(S): Tarasevichyus, E. L.
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (1966), 21(6), 11-14
CODEN: FRZKAP; ISSN: 0367-3057
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
GI For diagram(s), see printed CA Issue.
AB A solution of 0.1 mole KOH in 25 ml. H2O was added dropwise to an agitated mixture of 0.1 mole furfurylamine, 5 ml. H2O, and 0.1 mole CS2, the mixture agitated 5 hrs., a solution of 0.1 mole Cl3CCO2K in 20 ml. H2O added, agitation continued 1 hr., and the mixture warmed to 90° on a water bath, made strongly acidic with concentrated HCl, and cooled to give 79.3% yellow 3-furfurylrhodanine (I), m. 73-4° (MeOH), as compared with 11% by the method (Brown, et al., CA 50, 12983a) using NH4OH rather than KOH. A mixture of 0.0075 mole I, 0.0075 mole appropriate aldehyde, 20 ml. AcOH, and 1.6 g. AcONa refluxed for 3 hrs. yielded the following yet undescribed 5-arylidene-3-furfurylrhodanines (II) (R, color, m.p., and % yield of the compds. given): o-HOC6H4, yellow, 205-6° (aqueous MeOH), 71.7; Ph, yellow, 136-7° (MeOH), 79.7; p-Me2NC6H4, red, 182-3° (aqueous AcOH), 58; p-Et2NC6H4, red, 141-2° (aqueous AcOH), 46.6; p-O2NC6H4, yellow, 170-1° (aqueous AcOH), 80.9; 9-C14H9, orange, 174-5° (aqueous AcOH), 49.8; 5-O2NC4H2O, brown, 190° (aqueous AcOH), 87.2; C4H3O, yellow, 145-7° (aqueous AcOH), 80.2. II showed a neg. nitroprusside reaction presumably because 5-substitution of I with arylidenes had stabilized the thiazolidine ring.
IT 15562-60-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 15562-60-4 CAPLUS
CN 4-Thiazolidinone, 3-(2-furanylmethyl)-5-(3-furanylmethylene)-2-thioxo- (CA INDEX NAME)